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TELEGRAPHIC ADDRESS:
"CHEMICUS, CANNON, LONDON."
[Charged as two words only.]

**Established in
[AUSTRALASIA, 1885.]**

No. 1,896. Vol. LXXXVIII.

MAY 27, 1916.

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This preparation is supplied in minute granules, and is prepared from drugs of the purest quality.

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Fig. 534

Fancy coloured lithograph

Fig. 535

Black and white labels, fancy coloured wrappers or cartons

Fig. 537

Coloured labels, fancy coloured wrappers or cartons

Fig. 538

Fancy coloured labels and cartons

Fig. 539

Fancy coloured lithograph

Fig. 543

Fancy coloured border series

Fig. 1640

Fancy coloured Old English series

Fig. 1644

Fancy black and white script series

Fig. 898

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¶ Every empty "D" Bulb returned to be re-filled saves the making of a new Bulb at our Works, and consequently economises both time and material for the production of ammunition.

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¶ As the manufacture of "Prana" Sparklets is necessarily of secondary importance during the War—except for the needs of the British Expeditionary Forces and Red Cross Hospitals—the general requirements of the Trade this Summer can only be met by the co-operation of the Trade itself in returning as many empty "D" Bulbs as possible, without delay.

AERATORS LIMITED

"Prana" Sparklet Works, Upper Edmonton, N.

Chymol

EXPLANATION.

(Extracts from Recent Correspondence.)

To Mr. A. H. Jenkin, Hon. Sec.,
London Pharmaceutical Association.

No. 31 of the "Script" contains an erroneous description of Chymol on page 16. It is described as a product of a neutral country. Permit us to say that Chymol is the property of a British Limited Company, that it is made in London, and that it is not made in any other country of the world.

(Signed) THE CHYMOL COMPANY LTD.

To The Chymol Company Ltd.,
Atlantic House, Holborn Viaduct, E.C.

I thank you for pointing out the error which crept into the "Script," No. 31, page 16, and most sincerely regret it. I will bring the matter before the Editor, and no doubt he will see that it is corrected, in the way you suggest, in the next issue.

I am much obliged to you for your advice as to communicating with manufacturers, which of course will be the better plan, and will see that it is adopted.

(Signed) ARTHUR H. JENKIN.

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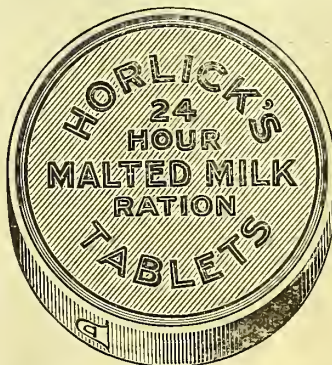
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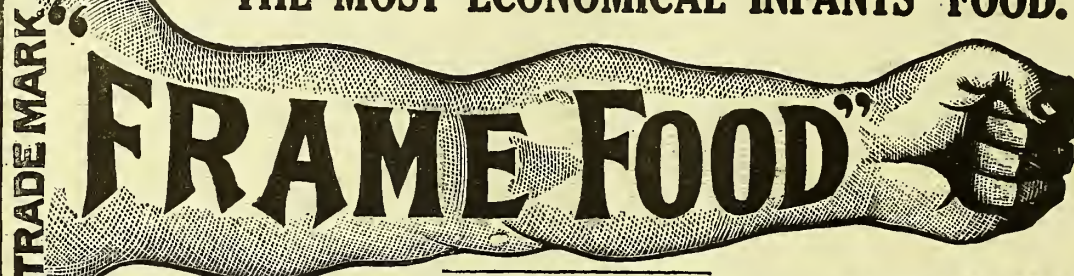
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"Careful observations have convinced me that better results accrue from the taking of Sanatogen than from the taking of Sanatogen. Therefore I have taken to prescribing Sanatogen in all cases in which I used to prescribe Sanatogen."—M.B., Lond.
"I have had quite as good results with British preparations or probably better results, and at less cost to the patients."—M.B., Glasgow, W.
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"Have found Sanatogen by comparison better."—M.A., M.B., Shropshire.
"Article."—M.A., M.D., M.R.C.P., Upper Wimpole-street, London, W.
"The price of Sanatogen is absurd for what it is, and other preparations, as Sanatogen, are cheaper and better."—Physician and Surgeon, Richmond, Surrey.
"I have never signed an endorsement of Sanatogen."—L.R.C.S. and P.E.D., M.O., Innishannon, Co. Cork, Ireland.
"Used to employ Sanatogen; but so disappointed with results, and prefer Sanatogen on its merits."—M.B., M.R.C.S., L.R.C.P., N. Wales.
"In my practice Sanatogen has entirely superseded Sanatogen, and in my opinion gives undeniably better results."—M.B., Edinburgh.
"I have used and prescribed Sanatogen, and consider it superior to Sanatogen and also a more elegant preparation."—Doctor—Lancs.
"Have used both. Believe Sanatogen to be the better article."—L.R.C.S., Co. Durham.
"In former years I prescribed and took personally Sanatogen, but I much prefer Sanatogen, which is an infinitely better article."—L.R.C.P. Lond., M.R.C.S. Eng., Surgeon (retired).
"I consider Sanatogen far superior to the German Sanatogen; more digestible, nourishing, and palatable."—L.R.C.P. Lond., M.R.C.S. Eng.

"Sanatogen is yielding me better results than ever Sanatogen did."—Surgeon, Manchester.
"Formerly used Sanatogen, now use Sanatogen instead in my practice."—M.R.C.S., L.R.C.P., Sussex.
"Used Sanatogen before the war, Sanatogen since, being British and better."—Surgeon, Bucks.
"For some time past I have ordered Sanatogen for my patients, and the results have been most satisfactory."—L.R.C.P. and L.R.C.S., Ed.
"I formerly recommended Sanatogen, but now recommend Sanatogen."—M.D., M.S., J.P., Glasgow.
"Sanatogen is superior to Sanatogen."—M.D., London.
"I formerly prescribed Sanatogen for my patients, and now regret having indirectly helped the loathsome Germans."—M.D., Bruss., L.R.C.P., L.R.C.S., Edin., L.R.F.P.S., Glas. (Retired Med. Prac.).
"I ordered Sanatogen to my patients for years, but during the past year have ordered Sanatogen instead with much better results in every way. It is unnecessary to use Sanatogen when we have a much superior article manufactured by our own people."—L.R.C.P., S.E.F.P.S., D.P.H. R.C.S.I., Co. Donegal, Ire.
"I have tried both and consider Sanatogen the better preparation."—M.A., M.B., M.R.C.S., L.S.A., Northwood, Middx.

"Sanatogen is a most excellent preparation as to the market."—M.R.C.S., L.R.C.P., L.S.A., L.M.
"I have been taking Sanatogen personally since August last; I prefer it to any similar preparations, and largely attribute to its regular use my physical and mental vigour throughout a very severe winter's work. As I have found it of such great service in my own case I am recommending it continually in my practice. Finding it so essential personally, I would be kindly to quote your lowest price for larger quantities, as I must continue its use until the summer."—M.B., C.M., Mossley Hill, Liverpool.
"From personal experience I can affirm that Sanatogen is a most useful remedy and I find my patients find it free from the objectionable flavour of the Sanatogen preparation, which formerly I largely prescribed. I have dyspeptic patients who cannot take any kind of tea without discomfort. These find Sanatogen not only equally stimulating, but more lastingly sustaining. I always advise it taken just mixed with hot water, quite plain."—L.R.C.P., D.P.H. Lond., F.R.I.P.H., etc., Brighton.
"Sanatogen far superior to Sanatogen, and we can quite well do without Sanatogen altogether."—M.R.C.S. Eng., L.S.A. Lond., nr. Lichfield.

"Sanatogen is a most useful remedy, and I used to say that I recommend it everywhere where I used to recommend the German product. Sanatogen. Yours is decidedly more palatable, and at the same time more assimilable, and therefore more nutritious than the former, which was decidedly unpalatable, this having to be dispensed by flavouring with oil of lemon, which made matters worse, if anything, so that I had great difficulty in persuading patients to take it."—L.R.C.P. Lond., Ravenscourt Park, London, W.
"Sanatogen is distinctly superior to Sanatogen, and there is no reason to use the latter product at all."—L.R.C.P., M.R.C.S., Southsea.
"Have got Sanatogen lately and have heard opinions expressed that it is quite as good as Sanatogen."—F.R.C.S., Glas.
"Having used Sanatogen successfully for nervous complaints can speak more highly of it than for Sanatogen."
"I know the value of Sanatogen in convalescence."—D.M., M.R.C.S., L.S.A., Ramsgate.
"I formerly recommended Sanatogen. Will recommend it no more as I can now order a British product."—F.R.C.S. Eng., Glasgow.
"My wife has proved the value of Sanatogen as a Nerve Restorative."—L.R.C.P. and C., Highbury Park, N.

Now Recognised as the Best product of its kind.

SanaPHOS

**BRITISH MADE &
BRITISH OWNED.**

T.M. Regd.

THE BRITISH MILK PRODUCTS CO., LTD.

69 MARK LANE, LONDON, E.C.

THE GENUINE **LIEBIG'S** THE GENUINE **BEEF and MALT WINE**

Certified by analysis
and
GUARANTEED NON-EXCISEABLE.

To the Trade.

Dear Sirs,

It gives us much pleasure to bring to your notice the recent discovery, LIEBIG'S BEEF & MALT WINE (Non-alcoholic).

You will be aware that a good teetotal beverage has long been wanted, and we realised some time ago that a huge demand would greet the first drink resembling the original brand of LIEBIG'S BEEF AND MALT WINE. In this we have been successful, and we have placed in the hands of thousands the nearest approach to the original brand that has yet been presented, and from the sale of which splendid profits can be made. We indemnify every purchaser from all risk by placing our signed guarantee on every invoice that the wine is non-alcoholic and therefore non-exciseable.

In these days of severe competition a quick-selling and profitable line such as this must, we are sure, interest you, and as we have already supplied many of the largest and most influential chemists and druggists, who have in the majority of cases repeated their orders in quick time, we have every reason to believe that should you decide to try it, we shall be able to repeat that success in your case if we have your support. Plenty of advertising matter neatly and effectively designed is at your disposal, and we have specialised it for your particular trade.

A trial order will be appreciated. Orders for £2 and upwards carriage paid. Ample supply of own name Circular Matter, Showcards and Window Bills free with each order.

Yours faithfully,

PREMIER DRUG CO., LTD.

PLEASE NOTE.

*The above does not
contain Quinine.*

PROFIT averaging over **33 $\frac{1}{3}$ %**

NO LICENCE REQUIRED TO SELL THIS WINE.

Sole Wholesale Agents :

PREMIER DRUG CO., LTD., 29 Cannon St., MANCHESTER.

How we help you to sell

Euthymol TOOTH PASTE

MEN ON ACTIVE SERVICE
WANT THE BEST
IN THE MOST AFFORDABLE

The PRESERVATION OF THE TEETH

POST CARD

Dear Sir—
Please send me a free trial tube of Euthymol Tooth Paste, together with a booklet dealing with the cause and prevention of dental decay, and the definite germicidal value of Euthymol Tooth Paste.
Name _____
Address _____

SOONER or LATER you will decide to use Euthymol TOOTH PASTE
IN CAPSULE CAP TUBES. 1/-

Euthymol TOOTH PASTE

COUPON
A Free Trial Tube of Euthymol Tooth Paste, sufficient for 1 week, together with a Booklet dealing with cause and prevention of dental decay, will be sent upon receipt of this Coupon filled in with your Name and Address.
(NAME) _____
(ADDRESS) _____
THIS COUPON SHOULD BE SENT IN AN OPEN ENVELOPE BEARING NO STAMP.

FREE TRIAL COUPON.

"GRAND PRIZE"
BRIGHT ANAEMIA
FESTIVAL OF EMPIRE,
LONDON, 1911.
THE SIGN OF EFFICIENCY

The annexed illustration shows the variety of counter advertising matter available at present. Which of these would be most suitable for your business?

The ingenious Novelty Folder, the Sample Postcard and the Tooth-brush Envelope offer each recipient a free trial tube direct without trouble to you.

The 8-page booklet, entitled "The Preservation of the Teeth," gives the independent testimony of eminent scientific men to the germicidal value of Euthymol Tooth Paste.

Write to-day for further particulars of these selling aids.

Euthymol Tooth Paste
is

MADE IN ENGLAND

as every pharmacist who has visited the Laboratories at Hounslow, knows.

Euthymol Tooth Paste
is

PROFITABLE.

Bought on bonus terms
the profit on the outlay
is over

67%

Full particulars from
PARKE, DAVIS & Co.
50 Beak Street,
LONDON, W.

Laboratories:
Hounslow, Middlesex.

PHARMACEUTICAL AND PHOTOGRAPHIC PRODUCTS

R.W. Greeff & Co.,

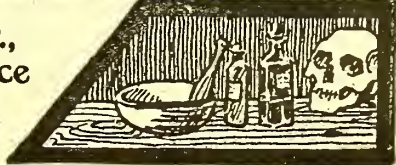
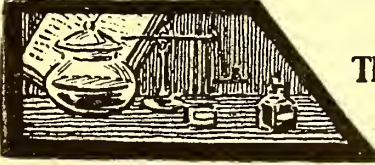
offer at lowest prices the following products manufactured in the United Kingdom, Allied and Neutral Countries.

(WHOLESALE QUANTITIES ONLY)

Barbitone	Isarol (best Ichthyol substitute)
Bromide of Ammonium	Lithia Carbonate
Bromide of Potassium	Lithol (Ichthyol sub.)
Bromide of Sodium	Mercurials
Chloral Hydrate	Methyl Salicylate
Cinchonine Sulphate and Muriate	Peppermint Oil
Cinchonidine Sulphate	Pepsine
Citric Acid	Phenacetin
Cocain Hydrochlor and Puriss	Phenazone
Cream of Tartar	Pyrogallic Acid
Creosote Carbonate	Potassium Sulpho-Guaiacolate
Eucalyptus Oil	Quinine and Salts
Formaldehyde	Quinine Ethyl Carbonate
Gallic Acid	Salicylate of Soda
Glycerophosphates	Sugar of Milk
Guaiacol Carbonate	Tannic Acid
Heliotropin	Tannin Albuminate
Hexamine	Terpineol
Homatropine	Theobromine
Hydroquinone	Vanillin



R.W. Greeff & Co.,
Thames House, Queen Street Place
London .E.C.



MANICURE CASES. MANICURE INSTRUMENTS.

NAIL-POLISHING PADS IN REAL AND IMITATION EBONY AND ROSEWOOD, ALSO IN POLISHED BOXWOOD, BONE AND CELLULOID.

FLEXIBLE FILES IN PLAIN STEEL, NICKEL-PLATED STEEL AND PLATINUM FINISH.

CUTICLE KNIVES, PUSHERS, TWEEZERS MOUNTED IN BONE, CELLULOID OR EBONY.

EMERY BOARDS, LONG AND SHORT.

ORANGE STICKS IN ALL GRADES.

NAIL - POLISHING STONES, STICKS, POWDER AND PASTE.

We solicit your inquiries, giving full particulars of requirements, for all kinds of Manicure and Toilet Requisites. We are actual Manufacturers, and can give immediate delivery.

HENRY C. QUELCH & CO.,

4 & 5 LUDGATE SQUARE, LONDON, ENGLAND.

WHEN YOU WANT—



Packed in 4-lb. Boxes and 4-ounce packets with

HANDSOME SHOWCARDS FOR WINDOW DISPLAY.

A GOOD SPRING LINE

WRITE US

for Samples and Prices of

**Fig,
Senna and Sulphur
Tablets.**

THOS. GUEST & CO., LTD.

Manufacturing
Medicated Confectioners,

ANCOATS, MANCHESTER

Maw's

S MAWSON & SONS
(GPO BOX NO 54)
712, ALDERSGATE ST.
LONDON E.C.

Page

No. 241

MAY 27, 1916

'PAREX'

REGD.

TOOTH POWDER

There is no tooth powder quite like 'Parex.' There is no other brand so rich in cleansing and antiseptic properties—so carefully and scientifically prepared as 'Parex.' The quality of this fragrant dentifrice, the handsome art tin, the *NAME*, all proclaim and endorse the perfection of our leading dentifrice.

8/6
DOZEN
WITH
BONUS

The embargo on use of glycerine in manufacture of tooth-paste will further popularise this perfect preparation.



One of the most pretty and popular Bathing Caps.

Made in transparent oiled silk, in charming shades.

Different coloured trimmings.

THE
'ELF'
21/6
DOZEN

The Call to Arms

From now onward Great Britain will become an armed camp. The last of the "Groups" will soon be in khaki, and then the vast remainder of men will be thoroughly sifted and apportioned out according to their capabilities and the country's requirements.

This is the amazing yet wonderful "Season" of 1916. It is the culmination of our national character of "hastening slowly." History repeats this perfectly British trait down through the ages. There was, for instance, a temporary shortage of shells during the time of the Armada. Sir Francis Drake wrote to the Lords of the Council: "Consider our pro-

porcions in powder, shotte and other munycion . . . which proporcion in powder and shotte for our greate ordynance in H.M.'s shippes is but for one daie and halfe service . . . Good my Lords I beseeche you to consider deeplie of this, for it importeth but the losse of all . . ."

As in war, so in business. In 1914 this House was organised for the supply of the ordinary requirements of our customers. When the shock of hostilities reverberated throughout our land we set about preparing for the production of "topical" lines for campaigning and nursing.

Now, when the Lion is preparing for his spring, we find ourselves well adapted to the changed conditions of commerce brought about by the conflict.

The shortage of labour and material are problems with which we all have to contend. It is possible that these conditions may not immediately improve.

But we are satisfied that this House is making every effort to give that Service and Attention which has been the foundation of a business built, as regards introduction of new preparations, on the British "slow and sure" principle.

Capsule

PETROLEUM JELLY

We are importers of finest American Jelly, Red, Yellow and White. Guaranteed B.P. Inquiries esteemed also for

GUMS. WAXES. DEXTRINE.

W. M. KIDSTON & CO., 43/45 Great Tower St., London, E.C.

Telegrams: "KIDSTONISM, BILGATE, LONDON."

Telephone: AVENUE 8057.

METHYLATED SPIRIT

OILS AND CHEMICALS.

Buy from one of the Oldest Houses in the Trade.

Write for Prices. ESTABLISHED 1794.

SAMUEL THORNLEY, LTD., BIRMINGHAM

RUSSIAN LIQUID PARAFFIN

British Pharmacopœia 1914.

YOU can rely on the Liquid Paraffin we supply. Its specific gravity is right, its viscosity is right, and its price is right. It answers every B.P. test to the most exacting detail. Your customers will appreciate its excellence. It is a pure Russian oil, not a mixture. Send for prices.



Wm. BROWNING & Co.

— Manufacturing Chemists, —

4 Lambeth Palace Rd., London, S.E.

CAUTION.

Beware of cheap oils offered as B.P. Protect yourself by testing samples before purchasing bulk. The sulphuric acid test is quite simple, and needs no apparatus other than test tubes, H_2SO_4 and a waterbath.

Contractors to H.M. Government, The Crown Agents for the Colonies, etc.

"XYSOL"

"Eklips" Brand

A Substitute for LYSOL of British Manufacture
and absolutely equal in strength and efficiency.



TRADE MARK


"ZINYL"

A Disinfectant, non-caustic, containing 16/17% of Tar Acids, perfectly soluble in water, forming a milky, opalescent mixture which remains without separation. Carbolic Acid, on the contrary, sinks in water and thus exerts but a limited effect.

"ZINYL" is claimed to be one of the best and cheapest Disinfectants and Germicides on the market, and yields a good profit to the seller.

Present Prices, subject to fluctuation:

3/- Gallon; 200 Gals. 2/10 $\frac{1}{2}$; 500 Gals. 2/9, Net.

 Circular on application, giving particulars of our various Miscible Disinfecting Fluids, with guaranteed co-efficient up to 20 on B. Typhosus or the percentage of Phenol Derivatives clearly stated.

One of the poorest investments is to purchase the so-called "cheap" miscible Fluids, no statement as to strength being furnished (as a rule it is about 3% and such a fluid is useless as a Germicide or Disinfectant).

H. E. STEVENSON & CO.

Manufacturing Chemists & Wholesale Druggists,
122 GREAT SUFFOLK STREET, LONDON, S.E.



KINSOL

(Regd.)

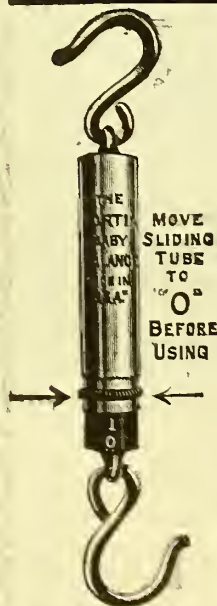
MEDICATED TOILET SOAP.

**KINSOL gives entire satisfaction.
GOOD PROFITS. No Cutting.
Display offer. Showcards supplied.**

Price and Sample on Application.

"ERASMIC," Perfumers, WARRINGTON.

A Profitable Seller



THE "PORTIA"

(Regd.)

NET WEIGHT

Baby Balance

Weighs up to 15 lb.

Price	Retail
11/6	1/6
dozen.	each.

Hang a balance in your window with our dainty cut-out showcard in colours on the lower hook, showing a baby actually being weighed, and you will soon be re-ordering.

SOLPORT BROS.,
184 to 190 Goswell Rd., London, E.C.

Obtainable through all Wholesale Houses.

7d.

**Make your old
Hat a new one.**

In bottles, 7d. each, in separate neat cartons, with suitable brush.

These Dyes are a distinct invention, dyeing the straw without an objectionable varnished appearance, and producing the effect of new goods.



NO GLOSS.

NO POLISH.

On the
P.A.T.A.

*Write for terms,
patterns also leaf-
let of testimonials*

"Luton" HAT DYE

**WHITAKER & CO., COLOUR WORKS,
KENDAL, ENG.**

London Depot: 60-62 Clerkenwell Road, E.C.

"Glossy" Series supplied if desired.

Special Non-Inflammable Series for Export. Est. 1873.

Telegraphic Address: "Dall'ette Kendal." Telephone: No. 114

40% Profit!—

—and the greatest boon ever offered to our Soldiers. In use by thousands of Troops, the R.A.M.C., etc. Repeat orders certain after each purchase.

Farbene

"The Soldier's Foot Cream"

Packed in handy push-up Shaving-Soap Tins. Sells at 1/- net. Purchased freely by Recruits, Veterans and for sending to the Overseas Forces.

ATTRACTIVE COUNTER LINE.

SHOW-BOX containing 1 doz. **9/-**

Ditto cash with order **8/6**

Carriage paid on $\frac{1}{2}$ -gross (3 boxes of 1 dozen Tubes each).

USUAL WHOLESALERS, or

C. Farbene Co., 16 Regent St., London, W.

Have you had Samples of our Brilliantines yet ?

Inquiries also invited for Perfumed Oils from Chemists who pack their own goods.

One gallon and upwards supplied.

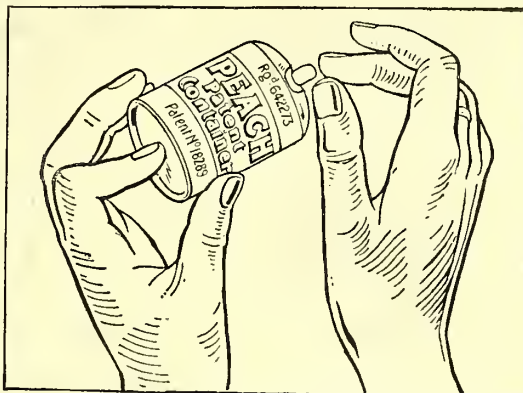
SEND A POSTCARD TO-DAY TO

ESSONA PERFUMERY CO.

Essona Works, Garfield Road,

WIMBLEDON.

PREPARATIONS PACKED IN PEACH'S PATENT HYGIENIC POTS.



Sole Rights vested in SHIRLEY BROS. LTD.

THESE containers are made of glazed white earthenware, and the contents are extruded by gently pressing the bottom of the pot, by which action, *just sufficient* and no more, exudes from the pot. The fingers come in contact *only* with what is *required* to be used, hence this pot is the most cleanly and antiseptic it is possible to conceive, and at the same time waste is avoided. In the case of Tooth Paste you have simply to draw the brush across the top where the paste is exuded, so that here again the brush simply "picks up" what is required at the moment, *without touching or rendering moist* the rest of the paste.

The following articles are now being packed in these pots:—

TOOTH PASTE	SOLIDIFIED BRILLIANTINE
MASSAGE CREAM	COCOA NUT OIL
COLD CREAM	TOILET LANOLINE
VASELINE	VANISHING CREAM
GLYCERINE AND HONEY JELLY	

OINTMENTS—Boracic, Zinc, &c.

The prices all round, Medium size pots, 4/- ; Large, 8/6 per dozen. Solidified Brilliantine in large size only, 12/- per dozen.

Empty pots supplied for customers' own filling. Prices on application. Special quotations for quantity.

SHIRLEY BROS., Ltd., London, S.E.



1



2



3



Phyllis Dare
PHOTO RITA MARTIN



4



5



6

THE MOST ATTRACTIVE OF MODERN CAMPAIGNS



IT will surely be admitted, is that conducted by Edwards' Harlene Company in connection with their ever-popular range of Toilet Specialties.

As enterprising readers will have noticed, amongst other items of widespread publicity now being issued is the attractive series of weekly pages in the "Daily Mail" which, as evidenced by "results," has aroused the keenest interest among the public.

This campaign still continues, and every week thousands of new adherents to "Harlene," "Astol," "Astine" Vanishing Cream, "Astinol" Aromatic Fluid (Pine Baths), "Cremex" Shampoo Powders, etc. etc., are secured.

We believe that "Test is Best." Proof of this is found in the huge demand Chemists are now experiencing all over the country for these products, following on our great Free Gift scheme.

If you wish to take advantage of the huge demand that we are creating, keep a good stock of "Astine" lines always in hand. In spite of the difficulties of War conditions, we are able to keep good stocks ready for immediate dispatch. Full particulars, trade terms, and advertising matter, on application to

EDWARDS' HARLENE COMPANY,
20-26 LAMB'S CONDUIT STREET, LONDON, W.C.

1 Eva Moore
PHOTO RUSSE.L & SON

2 Mabel Sealby
PHOTO FOULSHAM & BANFIELD

3 Ellaline Terriss
PHOTO WRATHER & BUYS

4 Phyllis Monkman
PHOTO BASSANO

5 Daisy Thimm
PHOTO HOPPE.

6 Marie Lohr
PHOTO BASSANO

DO YOU BUY ESS. VANILLA ?
Try VANOLEUM

Stronger than Vanilline. Soluble in Water.

26/- lb.

ARTHUR WHITTAKER,
 Specialist in Colours and Flavours,
NEWTON HEATH, MANCHESTER

The Best Paying 1d. Line is

SOFTO
 FOR CHAPPED HANDS.

WHOLESALE PRICES.

		s.	d.
1 gross	"Softo" with 4 doz. bonus	-	6 0
½ gross	" " 1½ doz. "	-	3 0
3 doz.	" " 1 doz. "	-	1 9

A Chemist writes: "Please send our goods immediately, as the 1 doz. 'Softo' was cleared in a day."

The SOFTO Manufacturing Co.
 33 Edgware Road, Park Lane, W.

LIQUID PARAFFIN B.P.

PETROLEUM JELLY

WHITE OILS

Half-White and Coloured Oils

STERN SONNEBORN OIL CO., LTD.

51 Royal London House,
 Finsbury Sq., London, E.C.

Works—Burdett Oil Works,
 Stepney London, E.



POWDER PUFFS

To secure all the available business, the puffs must be dainty and the prices must be right.

WE HAVE MORE THAN ONE HUNDRED VARIETIES AT PRICES COMMENSURATE WITH VALUE.

F. SCHUTZE & CO., Ltd.,

MAKERS OF POWDER PUFFS AND PERFUMERY,

'Phone : North 2782.

BLACK BULL WORKS, LONDON, N.



BRITISH LANOLINE ("EMPIRE BRAND.")

Adeps Lanæ Hydrosus P.B.
Adeps Lanæ Anhydrosus P.B.

Pronounced "the finest British make on the Market."

Made by Qualified Chemists
 under Analytical Control.

"LANADEPS"

Or COMMERCIAL LANOLINE

HYDROUS or ANHYDROUS.

A purified Wool fat of good colour & consistence. Specially prepared for Ointments and Toilet Preparations.

SAMPLES AND QUOTATIONS UPON APPLICATION.

CONTRACTS BOOKED.

HOWARD LLOYD & CO., LTD., LEICESTER.

"SOLAZZI" LIQUORICE JUICE

THE CHEMISTS' BRAND.

'The Lancet' says: 'Of Standard Purity'

Recommended also by *The British Medical Journal, Health, The Chemist and Druggist, Food and Sanitation.*

Ask for SHOWCARDS and HANDBILLS. To be obtained of all Wholesale Houses.

Do You Sell Sister Lauras Food?



The question is often asked nowadays. The Chemist who does not stock Sister Lauras Food is missing a good line.

Sister Lauras Food is achieving great success as a preparation for weakly babes and for invalids and the aged.

It makes milk digestible and is invaluable in cases of malnutrition.

It is a thoroughly reliable line and one that brings a handsome return.

Samples and advertising matter free on application.

SISTER LAURAS INFANT FOOD CO., Ltd., 156 Vincent Street, GLASGOW.

TOMMY'S COOKER

(PATENTED).

REDUCTION IN PRICES.

Refills (same size) - from 2/- to 1/6

Metal Saucepans - „ 1/6 to 1/-

Alum'n. do. - „ 2/6 to 2/-

TOMMY'S COOKER COMPANY, LIMITED,
32 BREWERY ROAD LONDON, N.

LOFTHOUSE & SALTMER, Ltd.

Wholesale & Export Drug Merchants,
Manufacturing Chemists

HULL

Are reluctantly compelled to advance the prices of the following preparations, but, as the protected retail prices are also increased, the Trader's profit is still large.

P.A.T.A. Protected		Dozen
Retail Price.		Net.
*LOSALL'S SALT (well advertised), tins	7½d.	5/-
* " " " " " "	1/2	10/-
* " " " " " " bottles in cartons	1/6	12/-

***Losall's Salt sells so well, surely it must pay Pharmacists to stock such a large profit-bearing protected line.**

LOSALL'S COMPOUND SULPHUR SOAP.

A valuable emollient medicated skin soap, especially suitable for use in Eczema. } 1/6 12/-

Chemists requiring effective advertising matter for Losall's Salt, &c., will, on application direct to Lofthouse & Saltmer, receive a liberal supply of Dummies, Showcards, Window Slips, Price Tickets, &c., Carriage Paid, whether or no they have an account open with the Firm.

SPECIAL BONUS TERMS

are now offered to retail Chemists willing to maintain fixed selling prices and grant facilities (as regards window displays, &c.) for advertising

MOTHER

SEIGEL'S SYRUP

Full particulars will be sent on application to

A. J. WHITE, LTD.

35 FARRINGTON ROAD, LONDON, E.C.

R. J. REUTER, 69 CARTER LANE, E.C.

Telegrams :
"REFRESHING,
CENT, LONDON."

SOLE AGENT
FOR

Telephone :
4461 CENTRAL
(2 lines).

Hudson's Vegetable Leaflets

P.A.T.A. PRICE

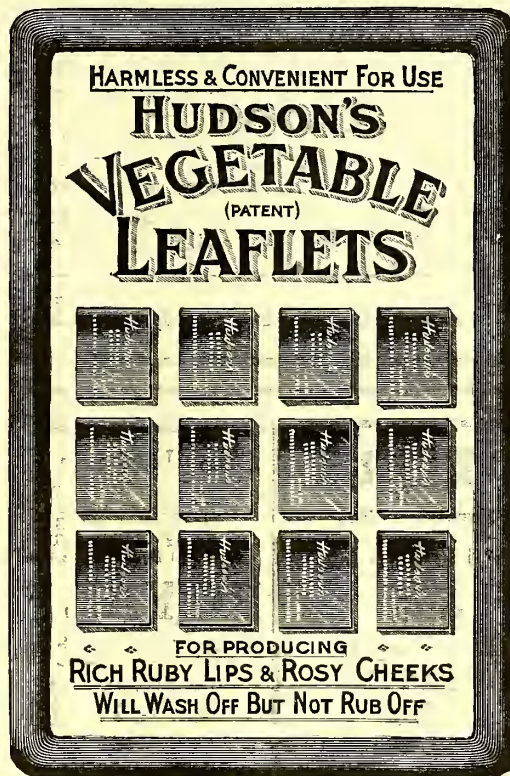
6d.

each

SALES
INCREASING
EVERYWHERE

EXPORT :

SPECIAL TERMS



TRADE PRICE

3/9

doz., subject

ABSOLUTELY
HARMLESS

EXPORT :

SPECIAL TERMS

SENT OUT ON CARDS OF ONE DOZEN.

No Solid or Liquid Rouge produces the same natural effect. This accounts for the
INCREASING SALE.

MOST WHOLESALE HOUSES SUPPLY

HUDSON'S VEGETABLE LEAFLETS.

YVONNE CREAM and YVONNE MEDICATED MEAL

The most exquisite preparations ever offered to the Trade, and which are now being extensively advertised.

YVONNE CREAM is made from a new base only recently discovered, is the most effectual beautifying Cream extant, and is quite distinct from any other preparation on the market.

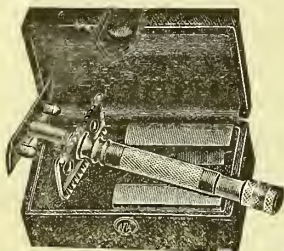
YVONNE MEDICATED MEAL. Something entirely new, and should be stocked by every Chemist, as we believe in securing the goodwill of the individual Chemist as well as creating a demand through press publicity. We have fixed our prices to allow the Trade 33½% Profit on sales, and we think that every Pharmacist will agree that such Profit is very fair upon advertised articles. In addition, for the next few weeks we are making the following **SPECIAL OFFER**:

To every Chemist ordering	1 doz. Yvonne Cream	1/- size at 8/-	} Carriage Paid
	1 " " "	...	...	6d. " " 4/-
	1 " Yvonne Medicated Meal Pads,	4d.	" " 2/9		

we will send, **Gratis**, 1 Gross Yvonne Cream **1d.** Samples, beautifully boxed for Counter display, together with supply of Pamphlets. All orders will be executed in strict rotation.

THE YVONNE CO., 25 Duncan Terrace, City Road, London, E.C.

SAFETY RAZORS



Complete Outfits,
8/6 to 36/- Doz.

SAFETY
RAZOR BLADES,
4/6 to 14/6
per Gross.

Wholesale trade only supplied.

HAMMETT'S, —Manufacturers,— London, N.E.
422 MARK STREET,

The National Physical Laboratory

reports: "ROYAL WORCESTER LABORATORY WARE, in regard to all the qualities which can be compared in a short period test, IS AS GOOD AS THE BEST LABORATORY WARE HITHERTO EMPLOYED, of which the Royal Berlin Ware is a typical example."

ROYAL WORCESTER Laboratory Porcelain

CRUCIBLES, EVAPORATING BASINS, COMBUSTION TUBES AND BOATS, BEAKERS, FUNNELS, SIEVE PLATES, PNEUMATIC TROUGHS, &c., in standard forms and sizes.

The WORCESTER ROYAL PORCELAIN CO., Ltd.,
WORCESTER, England.

AYRTON-GRAHAM, Ltd.

DESIGNERS AND ACTUAL MANUFACTURERS OF

FITTINGS FOR THE MODERN PHARMACY.

SHOP FRONTS, SHOWCASES, EXHIBITION CASES, WINDOW FITTINGS, &c. &c.

All goods of best quality and finish
at lowest rates. Inquiries invited.

106 Duke Street, LIVERPOOL.



PRICE
4 2/-
PER GROSS

PACKED IN
COLLAPSIBLE
TUBES WITH
RIBBON
ORIFICE

A PERSONAL RECOMMENDATION

THYMOL-TOOTH PASTE

THIS ARTICLE IS
SPECIALLY PREPARED TO
OUR OWN ORDER

IT IS A SUPERIOR PRODUCT

AND WE HAVE NO HESITATION
IN ADVISING OUR CUSTOMERS
THAT IT IS BEING CONSIDERED
OF THEIR APPRECIATION

PER
TUBE

7 1/2

SPECIMEN SHOWCARD GIVEN FREE

HALL FORSTER & CO., LTD.
Manufacturing Chemists
NEWCASTLE - ON - TYNE.

ROBT. BAILEY & SON

Clegg Hall Mill,

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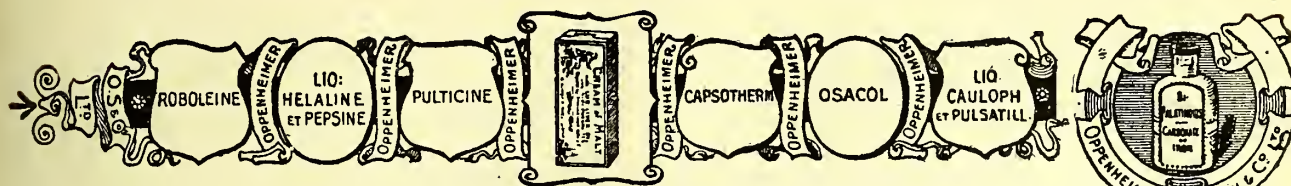
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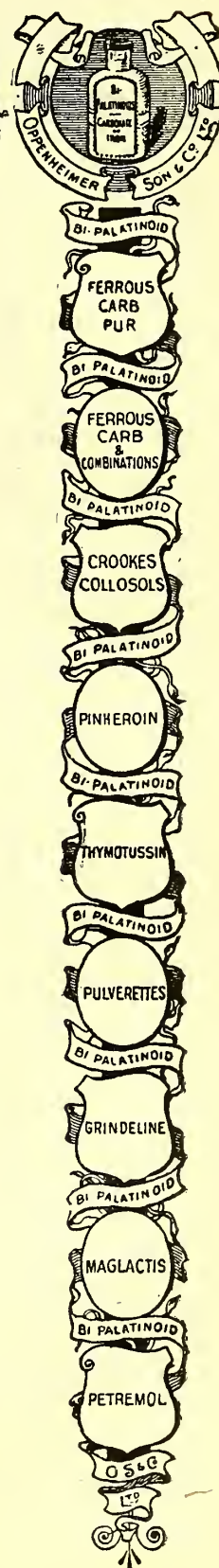
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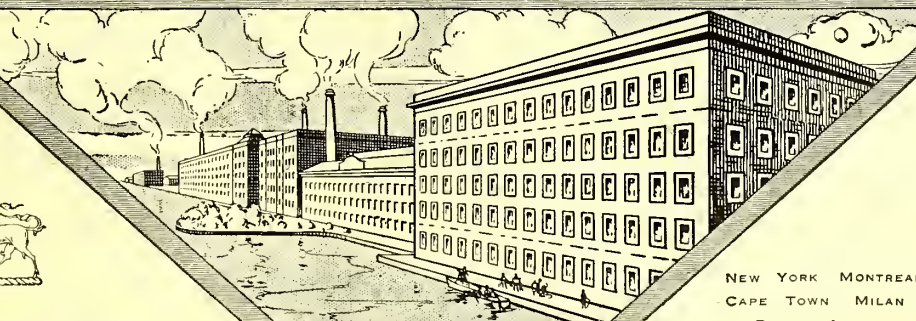
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Coming Events.

Sunday, May 28.

Pharmacist Volunteer Training Corps. Millbank Parade Ground, London, S.W., at 9.45 A.M. The bacteriology classes will be held at 10 Bedford Square, W.C., on May 31, June 1 and 3.

Manchester Chemists' Association. Ramble. Members to meet at Altrincham, tram terminus at 10.15 A.M.

Wednesday, May 31.

Thames Valley Pharmacists' Association. Scotch Café, Kingston-on-Thames, at 3 P.M. Special meeting to consider the Drug Tariff for 1917 and the retail price of proprietary articles.

Manchester Pharmaceutical Association. Chess Club Rooms, 65 Market Street, at 3.15 P.M. Special meeting.

Thursday, June 1.

The Chemical Society, Burlington House, Piccadilly, London, W., at 8 P.M. The papers to be communicated include: "Hydrates of Aluminium Nitrate," by Messrs. R. Seligman and P. Williams, and "Dyes Derived from Phenanthraquinone," by Messrs. K. C. Mukherjee and E. R. Watson.

Royal Society of Arts, John Street, Adelphi, London, W.C., at 4.30 P.M. Professor Wyndham R. Dunstan on "The Work of the Imperial Institute for India."

Great Yarmouth Pharmaceutical Association, at 8.30 P.M. Ordinary meeting.

South-East London Pharmacists' Association. 134 Greenwich Road, Greenwich, at 3 P.M. Annual meeting.

PHARMACIST VOLUNTEER TRAINING CORPS.—A dinner will be held at Frasoati's Restaurant, Oxford Street, London, W., on June 26. Tickets (7s. 6d. each, double 14s.) from Q.M. H. A. Mills, 3 Croxted Road, Dulwich, S.E.

European War News.

Export Notices.

DUTCH INDIES.—The exportation of medicinal products which are not of Dutch East Indian origin is prohibited, in order to prevent large quantities of these medicaments being shipped to Japan, which has hitherto been done.

GERMANY.—The exportation of pumice-stone in all forms is prohibited, according to a decree of the Imperial Chancellor of April 20.

NORWAY.—Sodium hydrate, sodium carbonate, worked, unworked, and scrap platinum are included in the latest list of prohibited exports.

TURKEY.—The prohibition of the exportation of sesame oil and sesame-seed has been revoked. Until the end of the war exemption from import-duties will be granted for candles, soda, and pharmaceutical products.

Miscellaneous.

ITALIAN CONTRABAND.—The "London-Gazette" (May 19) contains a list of goods declared to be absolute and conditional contraband of war by Italy.

PRESERVED FRUITS.—The Regulations relating to the restricted importation of preserved fruits have now been approved and are obtainable upon application to the Board of Trade, Department of Import Restrictions, 22 Carlisle Place, London, S.W. Envelopes should be marked "Preserved Fruits."

DEBTS DUE TO ENEMIES.—At Bow Street Police Court on May 23, G. Dittman, Ltd., aniline-dye makers, City Road, E.C., were fined 150l., and 15l. 15s. costs, for failing to communicate debts due to alien enemies to the Public Trustee. Joachim Caspary, Compton Road, Canonbury, was fined 150l. for being a party to the default.

ENEMY FIRMS WOUND UP.—Among the firms wound up by the Board of Trade announced in the "London Gazette" are: British Phosphate Co., Ltd., Dock House, Billiter Street, London, E.C., owners of phosphate-bearing lands in Canada; Felix Schoeller, jun., 55 Conduit Street, London, W., importer of photographic paper; Bernard Ullmann & Co., 90 Chiswell Street, London, E.C., bronze-powder manufacturers.

ENEMY FIRMS.—The Controller of the Foreign Trade Department has issued a further list of the latest additions to the "statutory list" of firms of enemy origin or association with whom persons in the United Kingdom are forbidden to trade. The countries in which firms are situated are Argentina, Brazil, Chile, Cuba, Greece, Netherlands, Netherlands East Indies, Norway, Persia, Peru, Portugal, Spain, and Sweden.

ENEMY TRADING.—A Proclamation issued on May 23 as a Supplement to the "London Gazette" consolidates the Proclamations previously published prohibiting trading with persons or firms of enemy nationality or association. The consolidated statutory list of such persons and firms, appended to the document, occupies twenty-six columns of the "Gazette," and includes over 1,000 names of individuals and concerns located in European, Asian, African, and American countries.

Military Tribunals' Decisions.

The following is a selection of the cases of trade interest which have been reported since our last issue:

ABERFELDY.—The son of an Aberfeldy chemist applied to the Perthshire Appeal Tribunal for exemption on conscientious grounds. The father stated that the young man, whose views he shared, held that a disciple of Christ should not be connected in any way with the military system, should not join any society, take part in any election or worldly amusements. Applicant was exempted from combatant service.

ABERYSTWYTH.—Conditional exemption has been granted to Mr. E. Williams Wynne, chemist and druggist, Pier Street, and Mr. J. E. Davies, chemist and druggist.

BERMONDSEY.—Lennon, Ltd., drug-merchants, 12-14 Lafone Street, S.E., obtained two months' exemption for an export packer of drugs. It was stated that if the staff in London is further depleted the company will have to buy more goods in America, and ship them to South Africa from there.

BERWICK-ON-TWEED.—Exemption until July 31 was granted to Mr. A. A. Walker, chemist and druggist, who is managing the business of Mr. W. J. Black, chemist and druggist, during his absence on active service.

BEXHILL-ON-SEA.—Mr. S. J. Mott, chemist and druggist, with Mr. F. Wimshurst, Ph.C., was granted three months' exemption.

BIDEFORD.—Mr. H. H. Fletcher, assistant to Mr. Emerson Gerrish, chemist and druggist, was granted three months' exemption.

BIRKENHEAD.—A doctor's dispenser who has been passed for home service was refused exemption.

BLACKPOOL.—A panel chemist who has an assistant, a qualified chemist, was refused exemption for another assistant.

BOWNESS (WINDERMERE).—Mr. David Dunlop, chemist and druggist, was granted exemption until July 31.

BRIGHTON.—Two chemists' assistants with a local firm were granted conditional exemption.

FOLKESTONE.—Conditional exemption was granted to Mr. T. W. Steele, Ph.C., who carries on business as Hall & King, his partner, Mr. A. H. King, being in ill-health.

GALSTON, AYRSHIRE.—Last week a local chemist, who had appealed, stated that so far as the Insurance Act is concerned he is indispensable in Galston. He had made repeated attempts to obtain a man, but could not, and had also failed to dispose of his business in order to join the Army. The hearing was adjourned so that he might get a certificate from the Insurance Commissioners.

ILFORD.—The application of Mr. W. W. Jenkins, chemist and druggist with Boots, Ltd., who is studying for the medical profession, was adjourned. A question arose as to the action of the company in applying to the Nottingham Tribunal for exemption for Mr. Jenkins.

LAMBETH.—The following were granted conditional exemption on the recommendation of the London Insurance Committee: Mr. H. A. Mills, Ph.C., 3 Croxted Road, S.E.; I. W. Moore, dispenser, Quin & Axtens, Ltd., Brixton Road; H. W. Clayton, dispenser, J. Timmis, chemist and druggist, 50 Clapham Road; Mr. W. L. Francis, chemist and druggist, 236 Clapham Road; Mr. F. C. Duggleby, chemist and druggist, 88 Waterloo Road, S.E.; Mr. F. R. Barlow, Ph.C., 224 Coldharbour Lane, Brixton; W. H. Galloway, dispenser with Mr. A. C. Portway, chemist and druggist, 189 Wandsworth Road; C. R. Parsons, dispenser with Mr. J. C. Spencer, chemist and druggist, 111 Brixton Hill, S.W.; Mr. T. Beech, chemist and druggist, 158 Stockwell Road, S.W.; J. W. Barton, chemist and druggist, and his assistant, A. W. F. May, 25 Westow Hill, S.E.; Mr. H. C. U. Wood, with Mr. S. W. Dawson, chemist and druggist, 56 Knight's Hill, S.E.; Mr. E. K. Monks, chemist and druggist, 108 Coldharbour Lane, Brixton; W. H. Harris, chemist and druggist, manager for Mr. L. E. Salter, chemist and druggist, Broadway, West Norwood; H. Cecil, dispenser with Mr. J. Davies, chemist and druggist, 119 Raiton Road, Herne Hill; Mr. E. Green, chemist and druggist with Lewis & Burrows, Ltd., 283 Wandsworth Road; and Mr. I. G. Innes, manager for Mr. S. Briggs, chemist and druggist, 51 New Cut, S.E.

LINLITHGOW.—The Military Representative applied for a revision of the finding of the Local Tribunal by which Mr. W. W. Spence, chemist and druggist, was granted temporary exemption. The application was refused.

SOUTHAMPTON.—Exemption was granted to eight chemists. The Insurance Committee applied for nine. Mr. F. B. Wride, Secretary of the Pharmaceutical Committee, appeared on behalf of the chemists.

SOUTHPORT.—On May 19 the exemption certificate granted to Mr. Henry Catlow, chemist and druggist with Boots, Ltd., was cancelled. There are two other qualified chemists employed in the same shop. Mr. Catlow on private grounds appealed against the cancellation, but the decision of the Tribunal was unchanged.—On May 22 exemption was refused for J. H. Heap, assistant to Mr. Joseph Joye, chemist and druggist. Mr. Samuel Rawson, with J. R. Cave, Ltd., was granted exemption until August 1.

WILFRED PURVES (19), chemist's assistant, was at Nottingham on May 17 fined 40s., and was handed over to the military authorities, for having failed to report to his group. After unsuccessfully appealing to the Local and County Tribunals on conscientious grounds, Purves said he had offered to do any civil work.—At a district court-martial held at Whittington Barracks, Lichfield, on May 17, John Henry McEllin, a conscientious objector, was charged with refusing to undress for medical inspection at the barracks on May 2. Accused, who had been sent to the dépôt of the North Staffordshire Regiment, maintained he was still a civilian and not rightfully subject to Army authority, because the Tribunal failed to carry out the definite instructions of the Military Service Act. The accused's father said his son, as a chemist's apprentice, had been engaged in dispensing medicines under the National Insurance Act, and as such could have got exemption. He desired, however, only to claim exemption as a conscientious objector. The President said the Court found that at the time the order was given the accused was not a soldier in the Regular Forces. He was a chemist, and the Tribunal was in error. The accused was therefore not guilty, and the Court ordered him to be released.

Gazette.

Partnerships Dissolved.

MAIN, J. J. D., and HOFMANN, K., Belgrave Road, Leicester, manufacturers of chemical manure and fertilisers, under the style of the Anglo-American Nitrogen Co.

SMITH, W. B., and SMITH, C. B., Potton, Bedford, grocers, provision-merchants, chemists, and wine-merchants, under the style of Bond Smith Bros.

Scottish Sequestration.

HENDERSON, JOHN, chemist and druggist, 74 Montrose Terrace, Edinburgh.

Nutrition.

A MEETING of the Chemical Society was held at Burlington House, London, W., on Thursday, May 18, at 8 P.M.—Dr. A. Scott (President) in the chair—when a lecture on *Newer Standpoints in the Chemical Study of Nutrition* was delivered by Professor Gowland Hopkins, F.R.S. Any attempt to determine the fate of protein after introduction into the animal digestive system must be preceded by a study of the chemical behaviour of protein. This is greatly simplified by the physiological observation that before the digested protein can pass into the blood it must be in the form of completely hydrolysed products. Thus it is found that not only can health be maintained, but growth can proceed, on a diet in which the nitrogen is in the form of a mixture of amino acids resulting from the complete hydrolysis of proteid matter. In the case of a starving animal the less necessary tissues are drawn upon for the upkeep of those more important, and in this case complete hydrolysis precedes the formation of the new tissue. The fact that life may be adequately maintained on a diet of mixed amino acids affords an opportunity for determining the relative feeding-values of these various acids. The fundamentals of nutrition are the same in all animals, and in the experiments rats were employed. This selection was determined by the fact that only a small amount of food is required, and variations in condition become apparent very quickly. It was found that rapid loss in weight followed a diet from which tryptophane was removed. The same amount of food was eaten by the animal during this time, therefore the loss was due to the absence of tryptophane. Similar results were obtained by removing histidine and arginine together. Absence of glutamic acid or aspartic acids occasions a slower rate of growth. Life may be sustained in absence of tyrosine or phenyl alanine or both. Some closely related acids can be used to replace one another. Thus growth may be maintained in absence of either histidine or arginine, but in absence of both life may continue, but the body-weight falls considerably to a certain value, at which it remains steady. The conclusions drawn from these and similar observations are that the body can synthesise the simpler amino acids necessary for building up the tissues, but certain arrangements, such as the indol ring, are beyond its power, while others, as the benzene ring, can be synthesised, although not quickly enough for a normal rate of growth. There are three ways in which the protein taken into the system can be used up:

1. In tissue-formation on an amino-acid basis.
2. In oxidation of the protein taken in excess of that required for normal development.
3. In tissue-formation containing structures not represented by the amino acids.

Thus bodies not protein can be prepared from proteid foods. Further, allantoin, which is the last stage in the purine metabolism, decreases in absence of histidine and arginine. The author concluded by stating that we are really only at the door in these researches, and have little or no real knowledge of the true dietetic values of food-stuffs.

FAIRCHILD SCHOLARSHIP AND PRIZES.—Students are requested to note that Thursday, June 1, is the final date upon which Mr. A. E. Holden, Secretary to the Committee of Trustees of the Fairchild Scholarship and Prizes, 64-65 Holborn Viaduct, London, E.C., can receive applications by those who desire to enter for the examination which will be held next month. Students can obtain the form of entry from Mr. Holden by postcard request.



THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C.

SATURDAY, MAY 27, 1916.

TO ADVERTISERS IN THIS SUPPLEMENT.

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2.—**KENSINGTON** (Death Vacancy).—Old-established Business; all good-class Retail and Dispensing; returns £1,000; *gross profit* 50 per cent. (present rate less); well-fitted shop and excellent residence; for a speedy transfer widow will consider any reasonable offer.

3.—**SLOANE STREET** (Near).—Dispensing and Retail Business; held by vendor many years; returns £2,000 to £2,200 per annum; *gross profit* 50 per cent.; price £1,000, or small premium and valuation of stock and fixtures.

4.—**SOUTHAMPTON ROW** (Near).—Retail and Dispensing Business; returns £2,000, at good prices; price £950.

5.—**LONDON, N.** (Few Miles Out).—Cash Retail Business, situate in busy shopping thoroughfare; returns about £1,500 under management; vendor will accept about the value of stock and fixtures; part payment.

6.—**SUSSEX** (In the Heart of the Country).—Good-class Retail and Dispensing Business; returns show a steady increase, now £826, with *net profit* £300; full investigation invited; rent moderate; comfortable residence, private entrance, small garden.

7.—**HANTS** (High-class Watering-place).—Dispensing and Retail Business; position unique; returns £2,500; well-appointed shop and roomy house; terms, valuation of stock and fixtures.

8.—**BUCKS** (Death Vacancy).—Very old-established Business, situate in the Market Place; returns £2,000; modern double front; comfortable residence; all in excellent repair; new lease; about the value of stock and fixtures required.

9.—**YORKS** (Large Town).—Cash Retail Business; returns under management £2,000; *gross profit* 34 per cent.; terms, goodwill £50 and valuation of stock and fixtures.

10.—**SOUTH COAST** (Fashionable Health Resort).—For Disposal, through death, a first-class Dispensing and Retail Business, with Optical connection; returns between £1,400 and £1,500 yearly; terms reasonable.

11.—**KENT.**—Unopposed Business, situate in charming country district; returns £900, at fair prices; comfortable residence, private entrance; price £500.

12.—**SURREY.**—Good-class Retail and Dispensing Business; returns £1,000; *net profit* about £300; well-appointed shop, with residence; price about £700.

13.—**BERKS** (Main Line of Rail).—Neglected Business; returns about £620; scope for large extension under young, energetic management; terms, valuation of stock and fixtures.

14.—**GLOS.**—A good General Retail and Dispensing Business for Disposal through ill-health; returns £1,350; roomy house, with garden attached; first reasonable offer will be accepted.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone **Profit, the value of Business, &c.**, can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of **confusion and loss.**

Messrs. O. & Co. are prepared to undertake these essential duties, and will make **Special Terms** for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

BRETT & CO.

Licensed Valuers,

73 LAUREL ROAD, LEICESTER.

Telegrams, "Brett Leicester."

Telephone 1934.

F. J. BRETT, M.P.S.,

GIVES PERSONAL ATTENTION TO ALL VALUATIONS
NO CHARGE TO BUYERS.

"AGENCY.—We have always a large number of *Buyers* on our books, and we can frequently find a purchaser at once. We also have a *Private Register* for vendors who are in no hurry to sell, and who do not wish their businesses to be advertised.

STOCKTAKING SPECIALISTS to the Entire DRUG TRADE.

£1,000 returns.—WEST OF ENGLAND.—First-class Dispensing and Light Retail; net profit large; vendor, leaving the trade, will live near and give good introduction; price £800, or valuation of stock and fixtures.

£400 returns.—DERBY.—Working-class district; qualified man could double returns; price £150.

LONDON (Western Suburb).—Very profitable Light Retail and Dispensing; now returning £12 per week; scope for Photo; delightful district; valuation about £350.

£1,100 returns.—MIDLANDS.—Good Light Family Retail, in main position of nice market town; price about £725.

LANCASHIRE.—Exceptionally profitable little Business, with very little opposition; many years in vendor's hands, who is retiring, and would give long introduction; price £220.

**Valuations conducted upon the shortest notice
at moderate fees.**

BERDOE & FISH

VALUERS & TRANSFER AGENTS,

35 Jewry Street, Fenchurch Street, City.

Telephone: 1809 CENTRAL.

NO CHARGE TO PURCHASERS.

1.—WEST OF ENGLAND.—Old-established good-class Country Retail Business for Sale through owner retiring; returns approach £4,000; net profit estimated between £900 and £1,000; splendid position; everything in perfect working order and heavily stocked; excellent house, ample storage, and large garden, etc., held on lease at moderate rental; price required £2,500; exceptional opportunity for two smart men. This business is well known to us and can recommend same with every confidence.

2.—LONDON.—For Sale, entirely through management difficulty, quick Cash Retail Business with profitable club trade, in one of the busiest marketing centres around London; returns under management average £38 weekly; net profit £10 to £12 a week before paying manager; smart well-fitted shop, fully stocked; price £950; will accept £600 down and balance can be paid by easy instalments.

STOCKTAKING v. INCOME TAX.

Every chemist should make a point of reading page 135 in *C. & D. Diary*, which deals with the above matter, and then write for our special pamphlet and low terms.

Forty-five years' practical experience.

PARSON C. BAKER

1 MOUNTFIELD ROAD, CHURCH END, FINCHLEY, N.

Recommended by—

BRITISH DRUG HOUSES, LTD.
MEGGESON & CO., LTD.
BARCLAY & SON, LTD.

Tel. No. Finchley 812.

All correspondence should be addressed as above.

And at 174 VICTORIA ST., S.W., Ph.C. Tel. No. Victoria 11.
Valuer to Association of Manufacturing Chemists,

Being a Pharmaceutical Chemist with 50 years' experience of every class of Chemists' Businesses, Wholesale and Retail, town and country, Dispensing and Cash Retail, and for 40 years actively engaged in the valuation and transfer of Chemists' Businesses, invites correspondence. Vendors sending particulars of their Business do not incur any monetary liability whatever unless the business is actually sold on his introduction.

SOUTH COAST.—Returns over £2,000; absolute net profit well over £400; price asked, £400 and value of stock, etc.

SOUTH WALES.—Good old-established; best position; net profit over £300; price, value of stock, etc., say £750; vendor retiring. Two good Businesses in Norfolk, together or separate; profitable; easily worked.

Valuations personally conducted. Charges moderate.

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**CHEMISTS' VALUERS, TRANSFER AGENTS,
AND EXPERT STOCKTAKERS,**

45a MARKET STREET, MANCHESTER.

ESTABLISHED OVER HALF A CENTURY.

Telegraphic Address: "Tomtom."

BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every
10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

BIRMINGHAM (Death Vacancy).—For immediate Disposal, genuine old-established Chemist's Business; low rent; living accommodation; situated in prosperous part of town; low price; £250. Matthews, Wellington Road, Nantwich.

BRADFORD.—Old-established Light Retail Drug Business for Disposal at once; main thoroughfare, near Town Hall; reason, age; good opening for Panel. Particulars from "S. H.," 113 Bridge Street, Bradford.

GLOUCESTER.—For immediate Disposal, owing to illness and advanced age, old-established Business; returns over £1,300; well-fitted corner shop; good house and garden; stock and fixtures over £1,000; price £700. Full particulars, 62/6, Office of this Paper.

MIDLANDS.—Light Retail and Dispensing Business; well situated in good-class residential town; established nearly a century; returns £460; net profit one-third; ample scope for increase; excellent reasons for disposal; price £200 or near offer; stock and fixtures worth double. "B." (59/10), Office of this Paper.

NORTH Wales Coast (near noted Golf Links).—A profitable Light Retail, Dispensing, and Photographic Business, with good Side-lines and a high-class season trade, for Disposal at valuation of stock and fixtures; returns nearly £1,000 at good profits; can either be had as a Lock-up shop or with exceptionally good house attached at a fair rental, or vendor would entertain the sale of above freehold premises. Full particulars, "B. P.," c/o Messrs. Evans Sons Lescher & Webb, Ltd., 56 Hanover Street, Liverpool.

RHYL.—Business for Disposal; moderate rent; price low for immediate sale. Ayrton, Saunders & Co., Ltd., 34 Hanover Street, Liverpool.

SOUTH of Scotland Health Resort.—Chemist, called up for service, must Dispose of high-class Business or close down; returns steadily increasing; season started favourably; excellent opportunity for lady Chemist; sacrifice made for early sale; full opportunity given for inspection or trial; sum required not over £400. Apply, "Attested" (58/13), Office of this Paper.

DEATH Vacancy.—For immediate Disposal, genuine old-established good-class Chemist's Business in country town in the Midlands; in the hands of late proprietor 28 years; low rent; good living accommodation; no reasonable offer refused. Full particulars on application to "A. T. H." (59/15), Office of this Paper.

FOR Disposal, old-established Business in good Agricultural district; returns average £550, has done over £1,000; plenty of scope for increase; Dentist attends weekly and pays half rent; good house and garden, warehouses, etc.; splendidly fitted shop and well stocked; price £450, or near offer; bargain. Apply, "Y. Z." (60/38), Office of this Paper.

GRATIS!—£450 of elaborate fixtures to first Buyer of small select stock, first-class Pharmacy; proprietor paralysed; important market town North; vast Government works opened; lease renewable; position right; rent right; part purchase could remain on to enterprising man with credentials. Apply, "Lancashire" (58/14), Office of this Paper.

HAVING purchased a business at Bridlington to break up, I find the opening so good that it seems a shame to do so; to a quick purchaser I will sell stock, fixtures, goodwill for £175; the shop is in the best position in Bridlington; rent £60; and one fortune has been made there; this advertisement will only appear once; if no customer turns up the place will be broken up. Cross, Swift's Drug Stores, Bridlington.

IMMEDIATE Disposal.—High-class Drug Stores, situated North-west London; good position; 130,000 inhabitants; little opposition; house and shop £26 inclusive; well fitted, electric light connected; large attractive window; healthy locality; every convenience; compelled to sell owing to shortage of assistance; stock and fixtures valued £145; accept £70; easy terms arranged if desired, or trial given. Apply, "Bargain" (61/25), Office of this Paper.

OLD-ESTABLISHED, good-class Family and Retail Business in attractive Midland city; Post Office attached, which more than pays rent; at valuation of stock and fixtures. Apply, "Executors" (51/22), Office of this Paper.

UNIQUE opportunity for beginner or elderly Pharmacist desiring Light duties to acquire neglected, old-established Country Business, with plenty of scope for increase, and affording good prospects; handsome, well-fitted shop, house and garden attached; fixtures and fittings £75; stock optional, or will sacrifice as it stands for immediate disposal. 59/13, Office of this Paper.

BUSINESSES WANTED.

ADVERTISER desires to purchase on easy terms small genuine Cash Retail Business, where there is good scope for increase; in or near London preferred, but not essential. State in first letter returns, net profit, price, how long in present hands, and reasons for disposal, in confidence, to "Genuine" (59/32), Office of this Paper.

BY qualified Pharmacist, Mixed Country Retail and Agricultural Business, with good connection and scope, where reasonable succession terms can be arranged; deposit, and balance by arrangement, or Managing Partnership, with gradual succession; must be good prospect; near South Coast preferred. 59/130, Office of this Paper.

REQUIRED, a Business, London or Suburbs, with turnover about £1,000 or over, which will afford qualified Assistant. State particulars "in confidence," and price, 227/62, Office of this Paper.

WANTED to purchase on easy terms, Light Retail (working class), or Retail and Speciality Business; returns £18 or more, showing good average profits; no N.H.I.; London, Midlands, or Yorkshire preferred, but not essential. State particulars, in strict confidence, 61/38, Office of this Paper.

TENDERS.

FOR DISPOSAL BY TENDER, FOLLOWING EXTREMELY VALUABLE RECIPES:

BELVOIR Sauce, patronised by late Duke of Rutland; Quorn Hunt Sauce, testimonial from late Earl of Durham; Nottingham Pickle (Chutney), testimonial from late Earl of Stamford and Warrington; also private recipe book of retired Chemist, about 300 choice formulæ; any or all. Dobson, Son & Bevan, Ltd., Leicester.

FOR SALE.

FOR Sale.—About 20 crates of best-quality flat bottles, 16-oz. and 8-oz.; lettered on one side, B. S. & G., Ltd.; what offers? Apply, Brekke, Son & Gillard, Ltd., 9 Scale Lane, Hull.

PILL Machinery for Sale.—One Pill-piping Machine for 1, 3, and 5 gr.; one Cutting-machine, with three pairs brass cutters, for 1, 3, and 5 gr.; treadle stand, tray, and fittings; one eccentric action Copper-coating Machine, Nibletts' Patent, with cast-iron frame fitted with fast and loose pulleys for power; also seven Counter Pill Machines; all the above are practically unused, and are to be sold cheaply to clear. 225/44, Office of this Paper.

POT. Iodid., 1 lb., 13s. 6d.; Pot. Brom., 1 lb., 21s.; Pot. Permang., 1 lb., 7s. 6d.; Resorcin, 2 oz., 9s.; Caffein. Cit., 1 oz., 18. 9d.; Phenazonum, 7 oz., 30s.; Sulphonal (Bayer), 1 oz., 3s.; all guaranteed B.F.; post free. 59/6, Office of this Paper.

TOTAL-ADDING National Till; keys to £2; good as new; bargain. "Till," 61 Park Road, Teddington.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

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RESULTS
OF ADVERTISING IN THIS SUPPLEMENT
LAST WEEK MAY 20 1916
NATURE OF ADVT. REPLIES

UNQUAL. ASSIST	16
LADY ASSIST	11
TRAVELLER	10
QUAL. ASSIST	10
REPRESENTATIVE	10

This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

RETAIL.

CHELTENHAM.—Wanted immediately, competent Assistant, qualified preferred (ineligible), for high-class Dispensing and Photographic business (indoors). Please send photograph and usual particulars, to Beetham & Clark, Cheltenham.

CUMBERLAND.—Wanted, unqualified Assistant; not eligible for Army; good-class experience. Wilson & Kitchin, The County Chemists, Whitehaven.

GLOUCESTER.—Unqualified Assistant, male or female, outdoors, good appearance and address, for Light Retail and Dispensing business. State age, height, salary, with photo, Ward & Woodman, Gloucester.

HAMPSHIRE.—Lady or gentleman Assistant, any age, for good-class Dispensing business in beautiful Hampshire village, near military camp, where a good business is done; hours are short; modern shop, pleasant to work in; healthy Hampshire pine district. Particulars to Keeble, Chemist, Liss, Hants.

INGHAM Infirmary and South Shields and Westoe Dispensary.
Wanted, a fully qualified Dispensing Chemist (lady), with Hospital experience preferred; commencing salary £100 per annum. Apply, with full particulars and copies of recent testimonials, to the Secretary, Ingham Infirmary, South Shields.

LEAMINGTON.—Assistant in Light Retail and Dispensing business; reasonable hours; good salary and permanency to competent man; must be a good Dispenser and over military age, but need not be qualified. Usual particulars, Fisher & Co., 35 Bath Street, Leamington.

LONDON.—Qualified Manager required for high-class business; must not be under 45 years of age, but active and energetic; liberal agreement to a man of ability; permanency. "S." (61/24), Office of this Paper.

LONDON, N.—Wanted by June 13, qualified Chemist for Limited Company, for N.H.I. and Counter; over military age; permanency. Reply, stating age and salary required, 60/23, Office of this Paper.

LONDON, W.—A qualified man required to take charge for a few hours daily; suit elderly or retired man desiring a little light occupation; interview. "Berks" (60/31), Office of this Paper.

MANCHESTER.—Junior or Improver wanted at once; outdoors; easy hours; ineligible or exempt from military service; Part-time would suit. Gorton, c/o C. Howson & Sons, 26 Chapel Street, Salford.

MANCHESTER.—Wanted, qualified Manager, also ineligible Assistant; Manager for Branch in working-class district; ineligible Assistant for Retail and National Insurance Dispensing. Please send copies of references, age, salary required, and full particulars to Lockwoods, Ltd., Chemist, Harpurhey, Manchester.

MANCHESTER.—Qualified Manager for purely working-class business; must be about 45 years of age, active, and energetic; good agreement with liberal interest in the profits offered to the right man. "M." (61/240), Office of this Paper.

NEAR MANCHESTER.—Wanted, qualified Assistant for quick Cash business; must be smart, a willing worker, and good Salesman. Address, with full particulars, age, references, and photo, 56/36, Office of this Paper.

NEW BARNET, near Station.—Unqualified Assistant, outdoors (lady or gentleman), about end of May; practical experience Retail and Dispensing; easy hours; pleasant spot outside London; no Sunday or Bank-holiday duty. Apply, with usual particulars, including salary required, Young & Co., Chemists, New Barnet.

NORTHAMPTON.—Wanted, thoroughly reliable, qualified or unqualified Dispenser for high-class business; no N.H.I. work; lady or gentleman (ineligible). Please state full particulars, age, experience, salary (outdoors) required to McKinnell, Chemist, Northampton.

NORTHUMBERLAND.—Wanted, early in July, for small Dispensing business, qualified Manager; ineligible for Army. Apply, usual particulars, Black, M.P.S., Tweedmouth.

READING.—Wanted, reliable man, exempt from military service; able to take charge of good-class Dispensing and Retail business; good remuneration to suitable man. Apply, stating qualification and references, to G. B. Osborne, Chemist, Reading.

REDDITCH.—Required, for Mixed Country business, Assistant; ineligible for military service, Junior or elderly; outdoors; no N.H.I. Dispensing. State salary, references, when disengaged, W. Mousley, Chemist, Redditch.

S.W.—LIVE Assistant, over military age; must be quick and accurate. Bird, 24 Market Place, Kingston-on-Thames.

SALISBURY.—Locum, qualified, required about July 23. Full particulars to Atkins & Son, Pharmacists, Salisbury.

SOUTH OF ENGLAND.—Assistant required; experienced; permanency, with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

PARISH OF ST. GEORGE-IN-THE-EAST.

TEMPORARY Dispenser wanted (lady or gentleman); salary £150 per annum.

Candidates must hold a certificate of qualification to act as a Dispenser, and preference will be given to candidates having had experience in Dispensing medicines for an institution.

The candidate appointed will be required to Dispense medicines for the outdoor poor and the Additional Infirmary.

Applications, to be made on forms which may be obtained at my office, or will be sent upon receipt of a stamped addressed foolscap envelope, must be returned to me on or before 10 a.m., on Monday, May 29, 1916.

By Order,

R. M. LOCHNER,

Clerk to the Guardians.

Guardians' Offices, Raine Street, Old Gravel Lane, E.

CITY AND COUNTY OF BRISTOL.

HAM GREEN HOSPITAL AND SANATORIUM, PILL, NEAR BRISTOL.

APPOINTMENT OF DISPENSER (MALE OR FEMALE).

THE Health Committee desire applications for the above appointment.

Candidates must be qualified Dispensers, and the officer appointed will be required to devote the whole of his or her time to the service of the Corporation. The duties will consist of the necessary Dispensing for the Hospital and Sanatorium, assisting in the clerical work, and in the work of the Laboratory.

Candidates must state their qualifications and experience.

Salary £100 per annum. Dinner and tea provided.

Applications to be forwarded to the undersigned not later than Monday, June 5, 1916.

D. S. DAVIES, M.D., Medical Officer of Health.

40 Prince Street, Bristol, May 23, 1916.

WAKEFIELD.—Lady Assistant required for Chemist; general Retail; if able to Dispense preferred, but not essential. State age, references, salary required, outdoors, when at liberty, etc., T. C. Whaley, Pharmacist, 43 Kirkgate, Wakefield.

A COMPETENT, trustworthy Assistant needed for good Dispensing and Retail business. W. Pickard, 3 West Kensington Terrace, W., opposite West Kensington Station.

A YOUNG lady required to Pack, Assist behind the Counter, and help generally; also an Apprentice wanted, lady or gentleman; a first-class chance to learn the business; previous experience not absolutely necessary; a personal interview preferred. Hopkins, 106 High Street, Wandsworth, S.W.

A SSISTANT wanted; ineligible (or lady); in- or out-doors; Light Retail and Dispensing, N.H.I. work. State age, experience, and salary required, Wells, Ph.C., 137 Barton Street, Gloucester.

A SSISTANT (unqualified, ineligible) required, with experience of good-class Retail trade; permanency; outdoors; hours 8 to 6, Wednesday 1; no Sunday duty. State age, wages required, when free, and particulars of experience, to Manager, Junior Army and Navy Stores, Union Street, Aldershot.

A SSISTANT, male or female; Country business; short hours, light work; hours adaptable for convalescent soldier or elderly man. Walker, Chemist, Malpas.

A SSISTANT wanted at once; experienced General Retail; ineligible for Army; outdoors; good salary to suitable man. State full particulars, age, etc., W. Edes Everett, Ltd., 34 St. Botolph Street, Colchester.

A SSISTANT, not eligible, able to Dispense. Full particulars to Durbin's Drug Stores, 112 North End, Croydon.

D ISPENSERS (experienced) required for Military Hospital; 6s. per diem, with rations; ineligible for military service. The Registrar, Royal Herbert Hospital, Woolwich.

E LDERSLY qualified Chemist required to assist another in small business; comfortable home (indoors); plenty of time off. Apply, stating salary required and full particulars as to experience, "Soot" (59/18), Office of this Paper.

E XPERIENCED Dispenser, qualified preferred, wanted immediately; exempt or above military age. Apply, Manager, Heppell & Co., Hotel Cecil Buildings, Strand, W.C.

G OOD Assistant required for Suburban Pharmacy. Apply, Lewis & Burrows, Ltd., 146 Holborn Bars, E.C.

G OOD Junior, ineligible for military service, wanted at once; outdoors. Johnson, Chemist, Milford Haven.

H OOLIDAY Relief, from latter end of June for about six weeks; qualified preferred. State salary required, when disengaged, etc., F. H. Newton, Chemist, Salisbury.

J UNIOR Assistant; indoors; ineligible; knowledge of Photography. Full particulars, age, height, salary, etc., with photo, to W. H. Woodman, Pharmacist, Burnham, Somerset.

L ADY with some Dispensing experience in Chemist's shop; opportunity for learning high-class Dispensing; easy hours; good salary; healthy town. State age, salary required, when disengaged, name of last employer or references, 59/11, Office of this Paper.

L ADY Assistant; must be a good Dispenser, and have had experience in a Chemist's establishment; vacancy not in London; comfortable permanency for suitable applicant. State age, salary required, and when at liberty, "L. A." (61/241), Office of this Paper.

L ADY Assistant required for Chemist's business; duties, Dispensing and a little Counter work; permanent and progressive berth. 61/243, Office of this Paper.

LADY Assistant required, accustomed to Chemist's Dispensing and Retail; seaside resort; light duties. 59/110, Office of this Paper.

MANAGER required, June; Heavy trade; must be sober, honest, good reference. "Rhe" (54/17), Office of this Paper.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist (male or female); easy house; good and progressive salary, with excellent prospects.

PHARMACIST, lady or ineligible man, to Manage Branch business and Insurance Dispensing; easy hours; no Sunday or night duty. Applications, stating age, experience, and salary required, should be addressed to Martyn's Stores, Ltd., 26 Queen Street, Wolverhampton.

QUALIFIED Manager; must be good Prescriber and Dispenser; ineligible for Army. State experience and salary to "Northern," (58/34), Office of this Paper.

QUALIFIED Manager wanted for shop in Market Place; good reference essential. Apply, 60 Watney Street, Commercial Road, E.

QUALIFIED (Minor) Dispenser, male or female; hours 8.45 a.m. to 6.30 p.m., Saturdays 1 p.m.; no Sunday duty. Apply, Staff Superintendent, Civil Service Supply Association, Ltd., 136 Queen Victoria Street, E.C.

QUALIFIED Assistant wanted in good-class business; salary and share in profits, with ultimate succession on easy terms; only gentleman with first-class Dispensing experience need apply, and preferably age 35-40. Give usual particulars and state capital at command, in confidence, 59/20, Office of this Paper.

QUALIFIED wanted; easy hours; comfortable berth; duties light. Apply, stating age, salary required, etc., "Blackburn" (61/2), Office of this Paper.

SAVORY & MOORE, 143 New Bond Street, require a Ledger Clerk, ineligible for military service, in their Retail Office; must have a good knowledge of Bookkeeping and of a Chemist's business and write a good hand; applications entertained from ladies. Apply, with full particulars, stating age and salary required, to Manager, at above.

THE Royal Victoria Infirmary, Newcastle-upon-Tyne.—Wanted at once, a lady Dispenser; qualified. Apply, with full particulars to the Pharmacist.

UNQUALIFIED Assistant; age about 45; comfortable and permanent post. State salary required and when at liberty, "U." (61/242), Office of this Paper.

WANTED, lady Assistant, good-class Light Retail under control of qualified lady; husband enlisting; live in or out; terms arranged; reasonable hours. C. & D. A. Briggs, The Parade, Carshalton, Surrey. Phone 771 Sutton.

WANTED, capable Manager for brisk Retail, with Prescribing and Light Dispensing, in country town; good experience essential; view to succession entertained. Full particulars in first instance to "Statin" (60/15), Office of this Paper.

WANTED, Junior Assistant; ineligible for military service. Salary required and full particulars to Comyns, Chemist, Carshalton, Surrey.

WANTED, a few Chemists over military age to take the places of Pharmacists who have joined the Colours. Apply, stating particulars, to The Superintendent, Taylors' Drug Co., Ltd., P.O. Box 141, Leeds.

WILLIAM DOBBIN & CO., LTD., Chemists, Opticians, and Photographic Dealers, Belfast, require a thoroughly competent, active, and experienced man as Manager and Buyer for a large and old-established Retail business; must be well up in all branches of the trade, and accustomed to control of staff; undeniable references essential. State fullest particulars in confidence, and salary required.

WHOLESALE.

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LONDON Export House requires Superintendent of Finishing Floor; must have had similar experience; knowledge of Spanish and Portuguese an advantage. Apply, stating previous engagements, salary, and age, to "Labels" (229/430), Office of this Paper.

ANALYST.—Assistant (lady) wanted for Laboratory of Provincial Wholesale House. Apply, with full details experience, salary required, to "Analytical" (226/37), Office of this Paper.

CHECKER wanted; ineligible; knowledge of Patent Medicines and Druggists' Sundries. Address, "C.44," (228/42), Office of this Paper.

DRUGGISTS' Sundries and Surgical Instruments.—Experienced man required for Despatch Department; good wages and permanency to capable, energetic man. Apply, Surgical Manufacturing Co., 85/85 Mortimer Street, London, W.

INVOICE Clerk (lady), Typist and Shorthand, wanted at once, by London Wholesale house. Apply, stating experience and qualifications, to "Export" (222/56), Office of this Paper.

MANUFACTURING Chemists.—Wanted immediately for war supplies, men, not eligible for military service, experienced in the manufacture of Tinctures on a large scale; also Assistants for Wet Counter. Address, "Alpha" (227/42), Office of this Paper.

OLD-ESTABLISHED firm of Import Merchants desiring add new department to Liverpool branch would be open to negotiate with gentleman who has established connections to act as Buyer and Salesman; state age and details. Apply, "T. R. M." (57/8), Office of this Paper.

REPRESENTATIVE.—A large firm of Wholesale Druggists requires Town Representative; over military age; previous experience on road necessary; good reference. Apply, "H. W. E." (228/25), Office of this Paper.

REQUIRED at once, capable business man or lady to take sole charge of Manufacturer's Agents' business during expected absence of owner in Army in a few months time; Surgical and other Rubber Goods; Wholesale only; salary and commission and permanent position for suitable person. Give full particulars, age, to 61/36, Office of this Paper.

REQUIRED, for Hairdressers' and Chemists' Warehouse, woman with experience, to look out orders and assist in keeping stock; wages to commence 22s. 6d. per week. Apply by letter, stating full experience, to "Advance" (228/72), Office of this Paper.

SAVORY & MOORE, 143 New Bond Street, require a Lozenge-maker, or man willing to learn; must be ineligible for military service. Apply, with full particulars and stating wages required, to Manager, at above address.

SAVORY & MOORE, 143 New Bond Street, require an Assistant on Wet and Dry Counter. Apply, with full particulars, stating wages required, to Manager, at above address. Must be ineligible for war service.

TABLET Maker, Senior; experienced with large tablet pressing. Full particulars previous experience, Barber & Co., 28 Pershore Street, Birmingham.

TRAVELLER, not eligible for military service, for Hairdressers' Sundriesmen; established connection to be taken over. Apply, in first instance, to "Trustworthy" (228/720), Office of this Paper.

WANTED at once by London House, Superintendent of Wet and Dry Counter (Export); must have had first-class experience and ineligible for Army. Apply, stating previous engagements, age, and salary required, to "Counter" (329/43), Office of this Paper.

25 PER CENT. to 50 per cent. Commission is offered to reliable Pushing Travellers to Sell a Proprietary Ointment of superior merit and appearance; doing an increasing business; Scotland, Ireland, and parts of England now open. Apply, stating firms now representing, and age, 43/20, Office of this Paper.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

[HOME.] RETAIL.

A MANAGER seeks permanency; 38; every qualification for responsible post; replies confidential. 59/12, Office of this Paper.

ADVERTISER, with excellent all-round experience, wants permanency in any position; Wholesale or Retail; married; ineligible; salary £3 5s. weekly. "Organiser" (226/52), Office of this Paper.

AS Manager or Assistant; qualified; good experience; 24; ineligible. Jenkins, Bryn Eglwys, Maudlam, Pyle, Glam.

AS Manager, Assistant, Locum; permanency; excellent experience and references; disengaged soon. Chemist, 12 The Close, Warminster, Wilts.

ASSISTANT; unqualified; married; age 50; disengaged shortly; salary £2 5s. week. "Nemo." (59/8), Office of this Paper.

ASSISTANT; experienced Branch Manager; unqualified; disengaged; would accept temporary engagement; permanency preferred. 60/32, Office of this Paper.

ASSISTANT; unqualified; just over military age; disengaged shortly; all-round experience. "Radix," 72 Tremadoc Road, Clapham, S.W.; London preferred.

BRANCH, Small.—Registered, over military age, Prescriber. B. General Rawdon, Luddendentoot.

BRANCH Manager or Cover; qualified; 43; all-round experience, Photography, etc.; 11 years last situation; married; smart trade where window pays rent; permanency in Liverpool or environs preferred. Apply, "Energetic" (61/7), Office of this Paper.

COMPETENT Dispenser; smart business man; excellent references; Locum or permanency. Forster, 54 Romilly Road, Finsbury Park, N.

IF you want Relief for a few hours daily (after 1 p.m.), I am at your disposal; qualified; 51; reliable and experienced. All particulars to 57/32, Office of this Paper.

IMMEDIATELY, Retail Counter experience, by Doctor's Dispenser (12 years); thoroughly trustworthy, ineligible; for assistance and outdoors maintenance expenses. References "Y," 8 May Avenue, Scacombe, Cheshire.

LADY Dispenser (Hall), experienced, desires post, Hospital or Private Practice; South Coast preferred; near sea. 58/22, Office of this Paper.

LADY (Apothecaries' Hall), experienced, desires post with Doctor; permanent or Locum; live out; or at Institution as Assistant Dispenser. W., Brynheulog, Dowlais.

LADY, partly qualified, seeks evening Dispensing. Hawthorn, 18 Woodstock Road, Bedford Park.

LADY (Hall) seeks employment with Chemist; Dispensing and some knowledge of Counter. 60/6, Office of this Paper.

LADY Dispenser (Hall), Hospital and Institute experience, wants post, public or private; disengaged; highest personal references. "M. M. B.," Vicarage, Well Street, E.C.

LIVERPOOL; qualified; 20 years' experience; disengaged. Pharmacist, 20 Hope Place, Liverpool.

LOCUM or part-time; M.P.S., Surgeon Dentist; easy hours; easy terms; about June 10. Dins, c/o Mrs. F. Eager, Alcombe, Taunton.

LOCUM; unqualified; experienced; references; Bradford district. Hardy, 3 Blenheim Mount, Bradford.

LOCUM; qualified; experienced; Bournemouth preferred. G. Williams, 32 Stanfield Road, Bournemouth.

LOCUM; 52; capable; experienced; abstainer; reasonable terms; highly recommended. Sowerby, 4 Queen Street, Redcar.

LOCUM, Major; ineligible; Optical Diplomas. "Ajax," 33 Botanic Road, Liverpool.

LOCUM; highest references; good experience. "Chemicus" (60/500), Office of this Paper.

LOCUM, Manager, Representative; 45; qualified; good experience and references. "Nux" (59/37), Office of this Paper.

LOCUM; qualified; disengaged; above military age; good London experience; active; Counterman; salary £4 weekly. "R.," 372 Harrow Road, W.

LOCUM, thoroughly reliable, seeks Light engagement for week or ten days; Wales or near preferred; highest reference. "A. B.," 15 Blackstock Road, N.

LOCUM, seaside or country; middle-aged; unqualified; experienced, reliable; satisfactory references; accustomed to Management; disengaged after June 30; wages £3 3s. weekly, outdoor, and single railway fare. 62/3, Office of this Paper.

LONDON Only.—Unqualified; 50; abstainer; Front Counter; Dispensing; state salary; long hours or Sunday duty "not entertained." "Hodie," 10 Alfearn Road, Clapton.

MANAGER; thoroughly experienced; 41; disengaged; references; unregistered. "Chemicus," 89 Denmark Road, Oxford Road, Manchester.

MANAGER or Locum; qualified; elderly, active; at liberty. "F. B.," 32 Wright Street, C-on-M., Manchester.

MANAGER or Assistant; unqualified; good Dispenser, Prescriber, and Counterman; married, no family; middle-aged; disengaged shortly. Chemist, 108 Surrey Street, Portsmouth.

MANAGER or Senior Assistant; unqualified; Manchester district; good Counterman and Dispenser, Optician and Dental Operator. "C. S.," 2 Bloomfield Street, Halliwell Lane, Manchester.

MANAGER or Locum; qualified; 43; energetic; good up-to-date experience in all branches; 14 years in own business; £4 weekly, outdoors. 60/17, Office of this Paper.

MANAGER or Assistant; highest references; age 44. 60/50, Office of this Paper.

MANAGER; 45; qualified; experienced; London or near; salary £4 weekly or equivalent if house over; disengaged about July 1. References, 59/24, Office of this Paper.

MANAGER; temporary or permanency; qualified; over military age; active and energetic; experienced good-class London; disengaged; salary £4 weekly. "J.," 85 Sutherland Avenue, Maida Vale, W.

MANAGER or Assistant; age 35; totally exempt from Army service; at present in first-class West-End Store; Prescriber (Doctor's son), Dispenser, expert Salesman, with Photographic experience. 62/5, Office of this Paper.

MANAGER; qualified; age 45; ineligible; good references and all-round experience. 62/10, Office of this Paper.

MANCHESTER.—Lady, 8 years' experience with Retail Chemists, would like to assist Chemist Monday, Friday, and Saturday evenings. Address, 59/21, Office of this Paper.

PART-TIME; qualified; 20 years' experience; Evenings and Saturdays from 4 p.m.; Dispensing and Counter. Apply, 44/3, Office of this Paper.

PHARMACIST; elderly; competent; good Prescriber; reasonable hours; salary moderate; London. 59/16, Office of this Paper.

PHARMACIST, 42, seeks engagement, Liverpool neighbourhood; good experience; moderate salary; permanent, temporary. 60/40, Office of this Paper.

QUALIFIED Manager; good experience and references; Photography; state hours and salary offered, country preferred; disengaged. "Statim," 32 Cannon Street, St. Albans, Herts.

QUALIFIED; 9 to 5; 43; disengaged. 55 Elm Road, New Malden.

QUALIFIED, 22, seeks appointment in good-class trade; ineligible; 6 years' experience, Photographic. Full particulars to Blake, 104 Cromwell Road, Peterborough.

QUALIFIED Chemist; ineligible; married; shortly at liberty for good position in London; best West-End and Suburban experience. "D." (58/16), Office of this Paper.

QUALIFIED Manager; ineligible; experienced all classes of business; sober, industrious, and reliable; market knowledge; married; London or Berkshire preferred; country not objected to. 58/8, Office of this Paper.

QUALIFIED; 39; married; exempt; disengaged; Counter, Dispensing. Stewart, 3 Elborough Street, Southfields.

QUALIFIED; Locum, permanency; 29; exempted; first-class experience; excellent references; fluent French; disengaged. 59/2, Office of this Paper.

QUALIFIED, ineligible, well experienced in all branches, good Prescriber, active, seeks permanency, Manager or Branch acceptable. "Extractor" (60/11), Office of this Paper.

RELIABLE and thoroughly up-to-date Manager or Senior; good Counterman; ineligible; smart; unqualified; could commence duties at once; disengaged. "Rhei," 53 Cranleigh Road, West Green, N.

RUSSIAN Pharmacist, experience of English and Continental Dispensing, Laboratory, desires situation in Pharmacy or Wholesale; disengaged June 3. Shiffrin, 157 King's Road, N.W.

TRAINED Nurse desires post with Chemist or in Institution to learn Dispensing; London. Miss P., 23 Winchester Road, South Hampstead, N.W.

UNQUALIFIED: Photography; age 37; abstainer; unfit Army; tall; best references; present in West End. "Scot" (60/24), Office of this Paper.

WHOLESALE.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

A BUSINESS man (middle-aged), energetic, trustworthy, not a Chemist, ruined owing to the war, is anxious to obtain permanent employment, or release one for service, or will accept Distribution Agency; can provide dry Store-rooms; good references and cash security. Address, "Berth," c/o Katz's, 35 Sackville Street, London, W.

ADVERTISER (ineligible) seeks post of Traveller for a good House; well up all branches of trade; Yorks or Yorks and Lancs. Particulars, 58/21, Office of this Paper.

ADVERTISER seeks engagement with Wholesale firm, with view to Travelling; Retail experience; 28; tall; single; rejected; willing, not afraid of work. 59/28, Office of this Paper.

ADVERTISER (ineligible), requires situation of responsibility; Buyer, Manager, or Representative; sterling character and long experience in most branches. Reply, 60/20, Office of this Paper.

GENTLEMAN, qualified Chemist, with office and showroom, own car, requires Agency or Representation of a firm where this connection and business ability would be valuable; what offers? 53/22, Office of this Paper.

LABORATORY, 27, ineligible, 12 years' experience in Pharmaceutical, Toilet, Perfume, and Chemicals, capable supervisor, desires permanency. 61/34, Office of this Paper.

TABLET Making.—Gentleman, ineligible, seeks responsible post Manufacturing; can supervise all operations, including animal products from fresh substance; also Tea Buying and Blending; highest references. 61/3, Office of this Paper.

TRAVELLER, London and Provincial experience, requires berth; would take over ground for one called up for duration of war; moderate terms; ineligible; good appearance and tactful. "G. R." (58/20), Office of this Paper.

TRAVELLER, qualified Chemist, requires re-engagement; experienced, energetic, successful; excellent selling record and connection with Chemists, Stores, Institutions, and general; intimate knowledge Drug, Sundries, Essence, Disinfectant, etc., trades; first-class references; ineligible Army; disengaged. 59/39, Office of this Paper.

TRAVELLER, to Represent Wholesale House or Proprietary, or to put new Proprietary on the market; ineligible; good references; energy, tenacity, enthusiasm. "Salol" (60/5), Office of this Paper.

WANTED, position by qualified Chemist with large and varied experience in business management and control of men; active, energetic; did his bit at Anzac, awaiting discharge. "Reliable" (55/39), Office of this Paper.

MISCELLANEOUS.

CHEMIST'S Mahogany Wall Case, 10 ft. long; ditto, white wood, 8 ft. long; Plate-glass Front Counter, 10 ft. long; Dispensing Screen and Counter, 6 ft. long; Perfume Case and Desk; Nest Counter Drawers; shop-soiled, second-hand bargains. George Cook, Chemists' Shopfitter, 29 Macclesfield Street, City Road, London.

SHOP FITTINGS.—War Bargains; Mahogany and Plate Glass Sponge Case with bent top, 75s.; 10 ft. Mahogany and Plate Glass Serving Counter, £8; Perfumery Case and Desk, 52s. 6d.; 4 ft. Bent Counter Case, 45s. Write enquiries, PHILIP JOSEPHS & SONS, LTD., 93 Old Street, London, E.C.

TO CHEMISTS, SHIPPERS AND CHEMICAL MANUFACTURERS.

We compress tablets from your own ingredients or otherwise, plain or coated. Large quantities dealt with quickly.

Superior Machinery and Scientific Control.

R. GIBBINS & CO., 1 Birkbeck Road, Kingsland, LONDON, N.E.

SECOND-HAND Chemists' Fittings.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

DISPENSING BOTTLES & PHIALS.

CLEAR BLUE TINTED.—3 and 4 oz., 6 and 8 oz., 12 oz., 16 oz.; Plain or graduated.

BEST QUININE, TINTED.—3 and 4 oz., 6 and 8 oz., 12 oz., 16 oz.; Plain or graduated.

WHITE PHIALS.— $\frac{1}{2}$ oz., 1 oz., 1 $\frac{1}{2}$ oz., 2 oz. Plain or teaspoons.

BLUE LOTION BOTTLES.— $\frac{1}{2}$ oz., 1 oz., 1 $\frac{1}{2}$ oz., 2 oz., 3 oz., 4 oz.; 6 oz., 8 oz., 12 oz.

PANEL BOTTLES.

We send six gross assorted or otherwise, carriage paid within seven miles, and to certain stations. Particulars on application.

CORKS.

Good quality. No advance in price: 6 and 8 oz. bottles, 9d. per gross in 6 gross bags. Vials 6d. per gross in 3 gross bags.

I. ISAACS & CO.,

106 MIDLAND ROAD, ST. PANCRAS, LONDON, N.W.

Or ISLINGTON BOTTLE COMPANY, 7 New Inn Yard, Tottenham Court Road, London, W.

Orders sent to either establishment have attention.

Established 100 Years.

EVERY GENUINE PACKAGE



BEARS THIS LABEL

EWEN'S LARD

is the
ONLY LARD

that
is made exclusively
for pharmaceutical
and perfumery
preparations
and is the

**BEST AND
MOST RELIABLE**

Guaranteed B.P.
Lard on the Market.

WAR WANTS EXCHANGE.

The object of this section is to facilitate the interchange of pharmaceutical products which are scarce at present owing to the War, and which the inquirers have failed to obtain through the customary business channels.

TERMS

Minimum charge (including registration fee) of 1/- for six words or less: 2d. per word beyond, prepaid. Inquiries are inserted with a registration number attached to each item, and replies will be communicated direct to the inquirers by the Information Department of "THE CHEMIST AND DRUGGIST."

WANTED.

Principals having any of the following articles to dispose of are requested to notify the fact by postcard or otherwise stating quantity and price to

THE WAR WANTS EXCHANGE,

"The Chemist and Druggist," 42 Cannon Street, London, E.C.

Adalin powder and tablets (60/21)	Morphine hydrochloride (61/1)
Anthraxol (60/21)	Naftalan (60/21)
Antitoxin tablets (60/21)	Palmolive soap (60/21)
Bromural powder or tablets (55/32)	Phenacetin (61/1)
Cocain. hydrochlor. (61/1)	Poehl's spermin essence (60/21)
Ems' pastilles (60/21)	Resorein (61/1)
Eugallol (60/21)	Schlangenbad soap (62/7)
Iodipin tablets (60/21)	Sodium sazoiodol (60/21)
Kleewin Marienbad pills (60/21)	Tannalbin (62/7)
	Validol (60/21)

FOR DISPOSAL.

Bene-vole buyers of the following articles are requested to communicate their exact requirements promptly to us, and we shall place them in touch with sellers:—

Opium, Turkey, 28 lb. Otto rose (artificial) (14/2)
(60/34) Otto rose (virgin) (14/2)

EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number.

No advertisement inserted for less than 6d.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

FOR DISPOSAL.**DENTAL.**

AS new, oval ebonised mahogany dental showcase; bent plate glass front; plate mirror back in mahogany; three plate shelves, rounded edges; velvet lined; height 15½ in., depth 5½ in., width 9 in.; price 50s. Jones, Chemist, Waterford.

DRUGS AND CHEMICALS.

POTASS. permang. B.P., 1 lb. 5s. 6d., 2 lb. 10s.; post paid; cash with order. Allens, Chemist, 172 Lower Road, Rotherhithe, London, S.E.

SURPLUS Stock.—2 lb. acid. salicylic. B.P., 1s. 3d. oz., or 18s. lb.; any quantity; or exchange for caffeine. pur. Brewer & Marston, 44 Copthall Avenue, E.C.

1 LB. pulv. maeis, 3s.; 4 lb. pulv. piper. nig., 3s.; 5½ lb. sem. senapis alb., 2s. 6d.; Chapman's cattle oils (assorted sizes); 2½ lb. pulv. pot. bichrom., 6s.; 2½ lb. jewellers' rouge, 6s.; 7 lb. plumbi acet. recryst., 8s. 87 Dickson Road, Blackpool.

SHOP FITTINGS.

SCALES.—Brass,agate; to weigh up to one pound; sensitive to one grain. A59, Birchall's Advertising Office, 17 James Street, Liverpool.

MISCELLANEOUS.

PERSONAL weighing machine, perfect condition, 50s. Banks, 356 Walworth Road, London.

RARE bell-metal mortar; can be seen in the City. Particulars from 57/22, Office of this Paper.

AIR or water bed for sale; used very little. Apply, Box 150, News Office, Gainsborough.

SYKES' hydrometer in case, book scales, 20s.; handsome "Pharmacist's" model microscope, 45s. Replies to 60/33, Office of this Paper.

BEST offers for 14 doz. glass syringes, male, plain and box topped; 6 1-oz. exalgin; one 5s. lacteol; nine 2s. 6d. cuticura. Brookes, 98 Lisson Grove, N.W.

WANTED.

WANTED, Supplements to P.J. Formulary, 1907. Timothy White Co., Ltd., Portsmouth.

TOOTH-POWDER tins wanted in large quantities, various sizes. Levers, Elver Works, Moreton Street, Manchester.

WANTED, "Eureka" tablet machine; good condition; enumerate dies, punches, price. 45 Cumberland Road, Acton.

WANTED, formula for non-drying fly-gum; reasonable price given for a really good one. Reply in first instance 58/15, Office of this Paper.

WANTED, small mixing machine for emulsions, to hold about 56 lb., or slightly less; must be cheap. Write, "V. N." 30 Belsize Park.

OPTICAL books, Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, S.W.

Prescription Problem.

THE prescription-reading problem which was set in the C. & D., April 22, Coloured Supplement, brought an excellent response. Solutions reached us from dispensers in base hospitals "somewhere in France," and other cards from allied or neutral countries were duly "passed by the Censor." The following is the correct transcription of the prescription:

Pot chlor 3j
Tinct cinch co. 3ij
Aq 3viii
3ss t d s

The competitors, as a rule, were in no difficulty as to the ingredients, but considering the large number of cards there is naturally room for differences of opinion. The first ingredient, for example, was given as sp. chlorof., pot. citr., pot. iodd., vin. colch. The second item was interpreted by some as inf. cinch., inf. cinch. co., inf. quass., inf. aurant., inf. buchu conc., tr. buchu, tr. camph. co., tr. cinchon., sod. bicarb., vol. chlor. A careful scrutiny of the cards disclosed the fact that thirty-five competitors sent in the correct solution of the problem. It was necessary then to take into account the times of posting, and as a result of this scrutiny the following, representing various parts of the United Kingdom and Continental Europe, are awarded the prizes:

Mr. John W. Tippetts, 18 Eccleston Street, Belgravia, London, S.W.

Mr. Victor J. Arnfield, 209 Preston Road, Brighton.

Mr. E. S. Waring, 19 Patrick Road, W.B., Nottingham.

Mr. A. P. Wallace, 96 Victoria Road, Torry, Aberdeen.

Mr. A. Newby Hobbs, 5 Victoria Terrace, Sliema, Malta.

Prize-winners may select a copy of "The Chemists' Dictionary of Synonyms" or "The Provincial Hospitals Pharmacopœias," whichever they prefer.

The following facsimile prescription forms the subject of the next competition. Postcard solutions should be sent not later than June 3. Prizes will be awarded at the discretion of the Editor, and in case of close competition the time of posting will be taken into account.

For Celz 7v
Sy Mabel 3ii
Sl R white
2viii 3z
3vii 3z
3vii 3z

At the Counter.

"1d. OF FAMINE OIL"—a written request received recently by a chemist—reads somewhat like a dig at the present price of ol. amygdale.

MR. J. F. COLLIN, of Watton, had a customer recently who asked for threepence worth of microbes. "What are they for?" he asked. "My husband's throat," she replied. "He has got such a bad cold." Nigroids were required.

A GLASGOW PHARMACIST (195/1) sends the following, with little comment except "the shilling is decidedly original": 1 apativina, 1d. siripe cueels, 1d. glarsen, 1 White sink Ointment, 1d. sugger anee seed. "Peculiarly evanescent" is just as appropriate for that shilling: it does not appear to occur in the order, nor was it in the envelope, but "bang went saxeprice" was the original fate of Scotch money in London.

English and Welsh News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Birmingham.

Permanganate of potash is selling this week at 8d. per oz. retail.

The practice of panel doctors supplying medicine to insured persons and receiving payment therefor was strongly condemned by the Medical Service Sub-Committee last week.

On Tuesday, May 23, an auction sale of the contents of Arblaster's aerated-water factory was held. Few pharmacists were present, and the goods sold at low rates—e.g., 30 lb. "phosphoric acid" in twenty-four bottles, each suitable for 10 gals. of syrup, sold at 3s. the lot. Aerating-machinery, a gas-engine, a washing and rinsing tank, syphon-fillers, and the like were also included in the sale, there being 102 lots.

Leeds.

So far Leeds chemists have taken quite kindly to the Summer Time Act. They find it very pleasant to finish their day's work by daylight.

Payment has been made by the Insurance Committee of the balance of scripts for March and a payment on account for April. For the first time a deduction is made for expenses of the Pharmaceutical Committee.

Liverpool.

Mr. L. Moreton Parry has received many congratulations on his first re-election to the Pharmaceutical Council.

Mr. William P. Evans (President of the Liverpool C.A.) will be "at home" on May 31, from 6 to 9 p.m., at his Bidston residence, to members of the local Council. His rhododendrons are famous at this season.

Owing to the proposal of the Government to vary the size of Treasury notes, the placing of a hygienic note-case on the market by a local patentee, whose adopted disinfectant is the product of a Hanover Street house, has had to be deferred, pending the announcement of the exact shape and inches of the new notes.

Retailers in the central area report the usual falling-off in ordinary business with the advent of genial weather. Owing to the restrictions, the sale of photographic materials, which formerly quickened with the opening of May, has declined almost to nothing. For the first time films unsold, and beyond the time-limit for effectiveness, have had to be returned to the makers.

Mr. Henry Peet, of the Adelphi Pharmacy, recalls how a City Councillor, who lately passed away, informed him five years ago of the fact, elicited during visits as a leather-merchant to Germany, that "every garret and cellar" in each town of the Empire was packed with boots for soldiers. The informant inferred that this boot-storage was but an index of the general preparations of Germany for war.

The house indicated last week as having supplied the Bray pharmacists at such short notice with drugs, etc., was that of Evans Sons Lescher & Webb, Ltd. In order to meet a large export order, which requires to be packed in time, Evans's have installed, by sanction of the Munitions Ministry, machinery, together with expert workmen and a staff of girls, for the manufacture of their own canisters. This will be a permanent arrangement of considerable importance to the trade.

Sheffield.

Mr. John T. Ellinor, chemist and druggist, 76 Spital Hill, Sheffield, announces that he is relinquishing business.

Mr. S. Paddon, whose chief shop is in Attercliffe Road, is located in the heart of Sheffield's heavy trade. He always gives special attention to his window-dressing, and at present has a display of hair-brushes and toilet-preparations which would do credit to a West-end business.

A difficulty has occurred in the matter of the exemption of chemists from military service. The Joint Committee agreed upon a list of chemists who are indispensable for maintaining the pharmaceutical service. This list was accepted by the Military Representative. Afterwards the Chief Military Representative required the nominal roll and group numbers of each of the persons on the list, and the few who had not attested were removed from the list. This action was upheld by the Local Tribunal. The consequence is that each chemist has to make a personal appeal, instead of the whole being taken *en bloc*. The Pharmaceutical Committee has signified its willingness to assist any of those who have to appear before the Tribunal.

Chemists' Defence Association, Ltd.

The annual meeting of this Association is to be held in July, and the directors have issued their annual report, which shows that the members in April numbered 4,812. The report gives general particulars about the matters on which the members have been advised, and it is stated that the Solicitor and Secretary of the Society during the year attended several inquests in which members' interests were seriously involved. The financial statement shows that 1,163l. was added to the reserve fund during 1915. The income of the Association amounted to 2,643l. 16s. 11d., of which 2,348l. 6s. 6d. was from subscriptions, 32l. 10s. was commission from insurance companies, 249l. 19s. 9d. dividends on investments, and 13l. 0s. 8d. interest on deposit. The expenditure amounted to 1,480l. 14s. 4d., the chief items being claims 230l. 12s. 11d., salaries 344l. 16s. 2d., "Anti-cutting Record" 274l. 1s., legal expenses 127l. 17s. 9d., travelling expenses and directors' fares and fees 148l. 17s. 1d., and "Year-book" and printing and stationery 161l. 12s. 7d. The balance-sheet shows issued capital 1,253l. 10s. and balances amounting to 7,613l. 3s. 4d. Against the total of 8,865l. 13s. 4d. are investments of 8,465l. 19s. 2d., cash 338l. 19s. 5d., and furniture valued at 61l. 14s. 9d.

Miscellaneous.

ARSENIC.—The output in Great Britain during 1915 was 2,496 tons, against 1,974 tons in 1914.

HOPKINSON & Co., chemists, Grantham, have secured the Grantham Town Council contract for disinfectants until March 31, 1917.

TENDER FOR DRESSINGS.—The Coventry and Warwickshire Hospital Committee has accepted the tender of Carnegie Bros. for dressings.

MEDICINAL HERBS.—The Knighton U.D.C. is considering the desirability of school-children collecting herbs. Dr. Graves, M.O.H., having told the Council that the children might do so.

MR. A. BARTON KENT (G. B. Kent & Sons, Ltd.), speaking at the Sales Managers' Association last week, advised business men to encourage their men to learn foreign languages and take up salesmanship abroad.

BOTTLE-COLLECTION.—The house-to-house collection of bottles in Islington has produced 450l. Altogether well over 100,000 bottles and jars have been obtained. Doctors, chemists, and others were among the purchasers.

MR. P. J. ASHFIELD, chemist and druggist, Rhyl, has recently been robbed of 3l. worth of toilet-preparations, and at the local police court last week a servant-girl was sentenced to a month's hard labour for the theft.

THEFT.—At Saxmundham, Elizabeth Hall, married, was fined 20s. for stealing two cakes of soap from the pharmacy of Mr. Charles Hardy, High Street, Leiston. The theft was witnessed by the errand-boy, who was hiding behind the dispensing-screen.

SUMMER-TIME ACT.—"Nature" is very indignant about the enactment of the Summer-time Bill, and says the only satisfaction to be derived from this childish method of promoting the increased use of daylight is that the measure is limited to the period of the war.

NATIONAL INSURANCE ACTS.—The Departmental Committee presided over by Sir Gerald Ryan, which was appointed to consider and report on any financial amendments of the National Insurance Acts that may be desirable, has issued its Report. It does not deal with the statutory benefits.

EARLIER CLOSING.—The Hull Town Council on May 17 issued a draft order for pharmacists to close at 8 p.m. on Monday, Tuesday, Wednesday, and Friday; 1 p.m. or 8 p.m. on Thursday; and 10 p.m. or 1 p.m. on Saturday, with exemption during the two weekdays before Christmas and the day before Good Friday.

SHOP-LIGHTING.—At Knaresborough on May 17, Mr. Edmund William Lawrence, chemist and druggist, Market Place, Knaresborough, was fined 10s. for a breach of the Lighting Order. At Newport Pagnell, on May 17, Mr. H. J. Inkpen, chemist and druggist, Market Place, was fined 1s. for a similar offence. For having too bright a light in the chemist's shop 52 High Street, Tooting, Lionel Cannon was last week fined 20s.

POISONINGS.—Since our last report the following cases of poisoning have occurred: Hydrocyanic acid was taken by Mr. W. J. Hill, a Lambeth rate-collector, who is stated to have purchased the acid for the purpose of poisoning a dog. The wife of Colonel W. H. Bull, Stony Stratford, poisoned herself with carbolic acid in her husband's surgery. Methylated spirit caused the death of a Russian Pole, named Balnaitis, at Liverpool. The spirit was diluted with water, and tea, sugar, and pepper added to make it palatable.

SCHOOL OF TECHNICAL OPTICS.—Dr. R. Mullineux Walmsley, at the meeting of the British Science Guild on May 17, read a letter from Mr. D. Lloyd George, in which the Minister expressed the need for the establishment of a National School of Technical Optics. Dr. Walmsley said the plan matured by the Northampton Institute has been before the public authorities for thirteen years. Although approved by the Education Committee, it had not been sanctioned by the London County Council. The speaker appealed for some patriot to give 40,000*l.* for the building and equipment of such a school as a monument of the great war.

BRITISH DYES, LTD.—Referring to the progress of the company, "The Times" states that British Dyes, Ltd., is confident that in time it will be able to supply all the shades and colours hitherto obtainable only in Germany, but the war has been in progress for twenty-one months, and the plant is not yet all installed. It is difficult to see, adds "The Times," how this comparatively small organisation can hope to compete with the German giant, with its vast resources and accumulated experience. The only hope is for the new British industry to be conducted with tremendous vigour, fostered with abundance of money for research and experiments, and on a scale commensurate with the magnitude of the task. There is no evidence of anything of the kind being done.

FIRE-EXTINGUISHERS.—The Report has just been issued of the Committee appointed to conduct experiments to test the value of dry-powder fire-extinguishers as applied to fires likely to be caused by bombs. It is stated that by far the best extinguishing agent for such a fire is a plentiful supply of water, and that the use of dry-powder extinguishers is to be deprecated as not only giving a misleading sense of security, but being practically useless for extinguishing or effectively controlling fires likely to be caused by bombs. Analyses of dry-powder fire-extinguishers are given, in which it is shown that these are mixtures of sodium bicarbonate and calcium carbonate, a note being appended that the prices at which they are sold are extortionate considering the cost of their constituents.

DOG-POISONING.—At Peterborough Petty Sessions on May 24, John Thomas Rooke and Wilfred Parkin, chemist's assistants, were charged with maliciously killing a boarhound, value 25*l.*, the property of the Rev. A. F. Maskew, Vicar of St. Paul's, Peterborough. Both defendants pleaded guilty, and after evidence by the Chief Constable, Mr. Maskew, Mr. William Elborne, public analyst (who deposed to finding strychnine in the stomach-contents of the dog, which had picked up poisoned meat from the lawn), and others, each defendant expressed great regret. It was stated on their behalf that each was willing to pay half the value of the dog, which was placed at 25*l.*. Rooke, it transpired, was married on Monday. The Chairman, in convicting both defendants, said that what aggravated the offence was that they were both in a position of trust. He ordered each to pay 12*l.* 10*s.*, half the value of the dog, and fined each 5*l.*, and costs, 17*s.*

Irish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Brevities.

Monaghan Board of Guardians has appointed Mr. Chas. McMullan, Belfast, as drug analyst at a remuneration of 6*s.* per sample.

During a prosecution in Coleraine on May 19, by the Board of Trade, of a marine-store dealer for exposing for sale rubber which was part of the cargo of the Wilson liner *Hydro*, wrecked last year on the Antrim coast, and for failing to notify and deliver it to the Receiver of Wrecks, the prosecuting solicitor stated that in Portrush a case of drugs from the wreck, valued at 1,300*l.*, was sold by the finder for 10*s.*

At the fortnightly meeting of the Police Committee of the Belfast Corporation on May 18, an application was made by the Ulster Drug-trade Association for an early-closing order, under the Shops Act, to provide that chemists' and druggists' shops in the city should be closed for the serving of customers on the several week-days, except Saturday, from 9 p.m. and on Saturday from 10.30 p.m., the order not to prohibit the sale of medicines or surgical appliances and requisites after those hours. The Committee decided to recommend the Council to take the necessary steps to make the order if the approval is obtained of two-thirds of the persons engaged in the trade.

Scottish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Brevities.

The diphtheria epidemic in Buckie (sixty-eight cases) has resulted in an investigation being conducted by Dr. Dittmar, Edinburgh, medical officer of the Local Government Board. The Town Council were unable to locate the origin of the disease, and so asked the assistance of the Local Government Board.

Miss Caird, this year's Pereira medallist, is the daughter of the Rev. David Caird, and was born in Dundee when he was minister of Russell Congregational Chapel there. When Mr. Caird was transferred to England he sent his family to Perth, and Miss Caird was educated at the Academy there. She took a keen interest in sports, and was a member, and subsequently captain, of the hockey team.

Society of Chemical Industry.

Dr. J. P. Longstaff, Chemistry Department, University of Edinburgh, has issued a preliminary programme in regard to the annual general meeting of the Society which is to be held in Edinburgh on July 19-21 under the presidency of Dr. Charles Carpenter. The proceedings begin on Wednesday, July 19, at 10 a.m., with a Council-meeting, after which the annual general meeting will be held in the Hall of the University Union, Teviot Place, which is familiar to members of the British Pharmaceutical Conference, as that body met there in 1912. After the annual meeting the members are to be entertained to lunch by the Edinburgh and East of Scotland Section of the Society, of which Professor James Walker is the President. A congress is to be held in the afternoon, social meeting in the evening, and at 8.30 p.m. Dr. W. Rosenhain, F.R.S., is to deliver a lecture on "The Making of a Big Gun." On Thursday, July 20, congresses are to be held in the forenoon and afternoon, and an informal dinner at the Caledonian Station Hotel in the evening, while Friday is to be devoted to a congress and visits to works in the afternoon.

Dundee.

The selling of proprietary articles below fixed prices goes on merrily in Dundee. Last week three or four items were reported.

The Dundee chemists closed their establishments on May 24 ("Victoria Day"), the public being notified by advertisement in the local Press.

The Broughty Ferry chemists—Messrs. H. B. Robertson, C. S. Jolly, D. A. Mortimer, and G. Forbes Johnston—are now closing at 8 p.m.

The Dundee and East of Scotland Pharmacists' Association are to consider the question of earlier closing and Sunday hours at a meeting at Lamb's Hotel, Dundee, on May 26.

Edinburgh.

The Belgian glassworkers left here last week for Messrs. Moncrieff's works in Perth.

With but a slight experience of the Daylight Saving, the new scheme is already hailed as a success. Most chemists will be able, except on Saturday nights, to do without artificial light for eight or ten weeks.

The making of bottle-brushes at home used to be a calling followed by one or two individuals who regularly visited chemists, etc., but latterly a young man seems to have been the sole visitor, and the other day he was round in khaki and stated that he is giving up business during the war.

A satisfactory arrangement has now been arrived at with the military authorities regarding the enlistment of chemists. When men of military age are called up the case comes before the Pharmaceutical Committee, who certify whether the man is necessary for the efficient carrying-on of the pharmaceutical service, and the recommendation is adopted by the military.

Glasgow and the West.

The students of the Glasgow School of Pharmacy had, with the Principal (Mr. Malcolm M. Irvine, Ph.C.), a successful botanical excursion to Garelochhead on Tuesday.

In the Golf Section of the Pharmacy Athletic Club, Mr. Jas. Anderson is the winner of the monthly medal for the season 1915-16, and Mr. B. Christie winner of the Mackay Cup for the same year.

A meeting of the creditors of Macnaught Bros., chemists, etc., and Archibald Macnaught, Greenock, is to be held at 93 West George Street, Glasgow, on June 16, at 12 noon, to consider an application for the discharge of the latter.

South African News.

(From "C. & D." Correspondents.)

"The Chemist and Druggist" is supplied weekly to members of all the Chemists' Societies in South Africa.

General.

JANUARY IMPORTS of drugs, chemicals, and apothecaries' wares into the Union amounted in value to 71,248*l.*, against 65,591*l.* in January 1915. The items included "medicinal preparations" valued at 6,586*l.*, against 5,763*l.*, and "apothecaries' wares" valued at 9,270*l.*, against 8,306*l.* in January 1915.

ORANGE FREE STATE MEDICAL AND PHARMACY COUNCIL.—At the meeting of the Council, held at Bloemfontein on April 14, a vote of condolence with the family of the late Dr. Gillespie was passed, Dr. Gillespie having died of plague while engaged as a volunteer in combating the disease, which was rife in his district. Mr. S. S. Hewitt gave notice of the following motion: "That the Council desires to recommend to the Government that steps should be taken immediately to amend the Defence Act so as to allow of pharmacists qualifying for commissions as lieutenant-pharmacists."

Cape Province.

BUCHU-LICENCES.—It is now necessary for those who wish to sell buchu to take out a licence (1*l.* annually). A register of all sales has to be kept by vendors. The licence is needed also by chemists, but it is questionable whether any chemist will trouble to take out a licence, as the sales of buchu-leaves will hardly cover the amount of the licence.

THE HANNAH CASE.—In the House of Assembly on May 2, Mr. Kolbe moved the appointment of a Select Committee to inquire into and report on the petition of Mr. T. Hannah, Amersfoort, who has been repeatedly prosecuted under the Transvaal Ordinance, No. 29 of 1904, on charges of illegal practice of pharmacy. The motion was supported by Mr. G. A. Van Niekerk. The Minister of the Interior reviewed the steps that had been taken by Mr. Hannah. He said the only way in which Hannah can get relief is by legislation, and Parliament will not legislate for one person. (Hear, hear.) A Bill has been prepared which will meet the case of Mr. Hannah, whom he counselled to wait until next Session. The proposal was rejected.

PHARMACEUTICAL SOCIETY.—A meeting of the Pharmaceutical Society was held at S.A. Mutual Buildings, Darling Street, Cape Town, on April 27. Among those present were Messrs. J. Sloan (Vice-President), J. Dell, Edmeades, Ferguson, Hill, Petrie, Stanley, Asher, Smith, Sowden, and Austin Thomas. Owing to the unavoidable absence of the President (Mr. W. Aitken) Mr. Sloan presided. Practically the whole of the evening was devoted to a consideration of the forthcoming lectures. Several very good suggestions were made and adopted with a view to making the first lecture a success. A motion by Mr. Asher regarding methods of promoting the social side of the Society was postponed.—A Council meeting was held directly after the general meeting closed, to consider a letter received from the President, in which Mr. Aitken stated that owing to the state of his health, and on doctor's orders, he had been compelled to give up all his activities and proceed up country, and he reluctantly asked the Council to accept his resignation as President and Councillor. Mr. Sloan proposed that the Secretary write to Mr. Aitken asking him to reconsider his decision. The Council, he suggested, would grant Mr. Aitken leave of absence for six months, by which time he, it was hoped, would be able to return to business with renewed health and vigour. This was agreed to.

Transvaal.

CHEMISTS' LABELS.—At Johannesburg on April 25, Solomon White and Wilfred Charles White, chemists, were charged, under the Trade-marks and Merchandise Act, with applying misleading labels to bottles of preparations which they sold. The labels stated that the preparations were made in London and Paris, which was not the fact. Defendants pleaded guilty, but were discharged upon undertaking to destroy the stock of the misleading labels.

MR. CHARLES UMNEY presided at the annual meeting of the Drug Trade Appeal Fund in London on Thursday, when Mr. W. F. Gulliver was elected a trustee in the late Mr. Newsholme's place. The other trustees were re-elected.

French News.

(From the "C. & D." Paris Correspondent.)

FRENCH INCOME-TAX.—Commenting on the income-tax—which has now been established in France—a Paris pharmaceutical journal explains what the law passed here in July 1914, and the explanatory device of January 15, 1916, require pharmacists to do. In theory, it is advanced, every pharmacist ought to base his declaration of income on his annual balance-sheet, but, as a matter of fact, very few French pharmacists (or, for that matter, very few small retailers of any kind) take stock or balance annually. The important points to bear in mind are, therefore: (1) Salaries, (2) the pharmacist's personal emoluments, (3) the interest on the capital by which the pharmacy was acquired.

RECORDS OF MEN OF SCIENCE.—Professor Blanchard, of the Paris Faculty of Medicine, has undertaken the task of gathering in one volume 1,253 records concerning deceased men of science. This is but the first tome of the "Corpus inscriptionum ad medicinam biologiamque spectantium" (others are presumably to follow), and a few of its pages may be cited as of interest to pharmacists. Samuel Hahnemann, founder of homœopathy, possesses two monuments—one at Leipzig (he was born at Meissen in 1755), and one in Paris, where he died on July 2, 1845. The latter was raised by international subscription, and is surmounted by a fine bronze bust by David d'Angers; the stone bears a list of his works and the well-known inscription, "Similia similibus curantur," etc. There are some curious "finds" in such a book. How many people know that Vauquelin visited Bagnoles de l'Orne in 1813? Here is the copy of a black marble slab in the vestibule of the Thermal Establishment: "M. L. Vauquelin, Member of the Institute, visited the springs of Bagnoles 14, 15, 16 October, MDCCCXIII." M. Blanchard has even printed some interesting inscriptions which have now disappeared. In the old church of St. Etienne, at Lille, once stood a slab to the memory of a pharmacist of many parts, which is as succinct as it is eulogic:

Petrus Picart, Pharmacopœorum decanus jacet hic. Medici, botanici, pharmacopœi ejus obitum lugent. Medici enim fidelis minister fuit; inter botanicos excellent; Pharmacopœis meritissime præfuit. At tu viator, piis ejus manibus apprecare, 1657.

Colonial and Foreign News.

MR. D. F. W. VAN REES, ex-Vice-President of the Council for the Dutch East Indies, has been appointed General Secretary of the Colonial Institute.

SODA-PRICES.—The German price has been fixed, for the retail, at 8pf. per half-kilo. and 15pf. per kilo. of crystallised soda, and at 15pf. per kilo. of powdered soda.

COLONIAL MUSEUM.—The fifth annual report of this Museum in Amsterdam has been published. It was written by the late Dr. H. P. Wijsman, who was General Secretary, and contains full references to the collection of photographs, lantern-slides, and the like illustrating natural products.

McKESSON & ROBBINS, New York, are shortly to erect a large manufacturing plant at North Eleventh and Berry Streets, Brooklyn, in order to cope with their continually increasing manufacturing operations in that centre. The new building is to be six storeys high, and will cost about \$90,000.

RAW MATERIAL FOR SOAP.—According to the "Telegraaf," the N.O.T. (Nederlandsche Overzee Trust Maatschappij) has had a meeting with manufacturers of soap, linseed oil, glycerin, and candles, to discuss the British conditions for supplying the fats and oils required. The manufacturers agree generally with these, but two more meetings are to be held.

AN EXHIBITION OF DUTCH MEDICINAL PLANTS will be held in Utrecht in July on the occasion of the annual meetings of the Dutch Pharmaceutical Society and the Dutch Medical Society. The intention is to show living plants as well as drugs, herbs, etc. The Dutch Society for the Cultivation of Medicinal Drugs and the Colonial Institute are to co-operate.

THE ELECTRO CHEMICAL-WORKS at Bitterfeld and Rheinfelden have been let by a Zurich bank to the Chemische Fabrik Griesheim-Elektron for the manufacture of chlorine, potassium chlorate, potassium hydroxide, sodium hydroxide, potash, sodium, magnesium, calcium carbide, and hydrogen, but oxalic acid will still be made at the Bitterfeld works.

B

SCARCITY OF FATS.—In a decree of the Minister of the Austrian Home Department the Boards of hospitals have been warned to abstain as much as possible from the use of cresol-soap solutions for disinfecting purposes and to make use of solutions of carbolic acid for this purpose wherever possible. Stearin is practically unobtainable.

FATS AND FIXED OILS are, by a German decree, forbidden to be used in the manufacture of cosmetics, medicaments for external use, and disinfectants, but linseed oil may be used in making cresol-soap solution, olive oil in making camphorated oil, and other oil in preparing spiritus saponatus, with an equal quantity of soap as required by the German Pharmacopoeia. Wool-fat and ointments containing wool-fat may not be used for the preparation of cosmetics and other products which are not for medicinal use.

MEDICINAL PLANTS.—Dr. Zöring, Curator of the Munich Botanical Institute, has addressed the local Pharmaceutical Society on the necessity for more extensive cultivation of medicinal plants, and he compared the superiority of the United States over Germany in this matter. He also stated that the quantity of aromatic herbs required for the distillation of essential oils is very large, Schimmel & Co., Miltitz, giving the following as their annual requirements: Fennel-seed, 700,000 kilos.; orris-root, 100,000 kilos.; caraway-seed, 300,000 kilos.; peppermint, 300,000 kilos.; and roses, 250,000 kilos. Dr. Zöring added that large quantities of drugs have been imported into Germany which could easily be cultivated, and he gave figures substantiating his statement.

Bankruptcy Reports.

Re James Alfred Way, 113 Dawes Road, Fulham, S.W., Dispensing Chemist.—An application for an order of discharge was made to Mr. Registrar Hope at the London Bankruptcy Court on May 17 on behalf of this bankrupt, who failed in February 1912. The Official Receiver reported the history of the case, stating that a first and final dividend of 1s. 4½d. in the pound had been declared. Mr. Turner (French, Turner & Taylor) appeared for the bankrupt in support of the application, and his Honour granted a discharge subject to a suspension of two years.

Re the Late William Burton Shaw, 28 Westborough, Scarborough, Chemist and Druggist.—An administration order in this matter was made on April 15, and according to the figures prepared the liabilities amount to 693*l.* 10*s.* 8*d.* and the assets to 136*l.* 10*s.* 11*d.* The debtor carried on business as a chemist until his death in December last. Included in the unsecured liabilities was 309*l.* bank overdraft, the bank holding as collateral security only the guarantee of a third party. The following are trade creditors: Ayrton, Saunders & Co., Ltd. (14*l.*); The British Drug Houses, Ltd. (23*l.*); Kodak, Ltd. (12*l.*); Camwal, Ltd. (24*l.*); F. Newbery & Sons, Ltd. (20*l.*); Sangers (22*l.*); Titterton & Howard (11*l.*); Virol, Ltd. (10*l.*); Warrick Bros., Ltd. (12*l.*).

Re Andrew Mitchell, 56 Wide Bargate, Boston, Chemist and Druggist.—This matter came before the Registrar (Mr. R. W. Staniland) in the Boston Bankruptcy Court on May 11, when it was stated that the liabilities amounted to 1,671*l.* 9*s.*, and the assets to 856*l.* 6*s.* 7*d.* The debtor was examined by the Official Receiver. The debtor's business career began in Scotland, and was continued in Gloucestershire and Norfolk. In 1905 he went to Boston, and having received a sum of between 5,000*l.* and 6,000*l.* under the will of a lady in Melbourne, Australia, purchased the business of which he had been manager in Wide Bargate. The cause of his failure was advancing sums amounting to about 3,000*l.* to a son. He found he was in difficulties nine months ago, and began to borrow money. The examination was closed.

Re Thomas Edward Greenish (trading as Godfrey & Cooke), 7 Royal Arcade, Old Bond Street, W., Pharmaceutical Chemist.—The debtor was examined before Mr. Registrar Brougham at the London Bankruptcy Court on May 11. The facts were as given in the *C. & D.*, April 8, p. 38. Mr. F. T. Garton, Deputy Official Receiver, examined the debtor, who had one half-share of the business from 1890 until his father died in 1899, when he continued it, ultimately removing from 30 Conduit Street. The following is a revised list of the creditors: Bywater & Son, Ltd. (124*l.*); Downey & Finnell (16*l.*); F. H. Glew (15*l.*); Hunkisson & Co. (23*l.*); Limberg & Co. (36*l.*); Sangers (10*l.*); W. Troscod, Ltd. (27*l.*); Willows & Co. (15*l.*); H. G. Greenish (538*l.*); A. Barry (10*l.*); Warrick Bros. (10*l.*); Finnis, Downey, Linnett & Chester (10*l.*). The examination was closed.

Legal Reports.

Photographic Chemicals.—The President (Sir Samuel Evans), in the Prize Court on Monday, condemned as prize of war 1,132 letter-packets seized in the mails on the Dutch Hamburg-America liner *Frisia*. These letter-packets were outward bound for America, and were found to be of German origin. They included photographic and other chemicals, dental plates and panels and gold stopping, thermometers, and fifty cases of anti-diphtheria serum.

Linseed-oil Contract.—Justices Rowlatt and Sankey, sitting in the Divisional Court of the King's Bench Division, heard on May 23 an appeal by Donald Campbell & Co., St. Mary Axe, against an award of the Board of Appeal of the London Oil and Tallow Trades Association in an arbitration arising out of contracts of March 1915 by which the appellants sold linseed oil to Arn. Theod. Solling & Co., Rotterdam, for consumption in Holland. The oil was to be shipped from a United Kingdom port in April 1915, but the Board of Trade would not allow it to be shipped. The Umpire, Mr. J. W. Pearson, found that as to the contract of March 4 for 100 tons, the sellers were in default, and must pay damages to the buyers, and that the contracts of March 13 and 15, each for 50-ton shipment, were cancelled. The sellers appealed to the Committee of Appeal, who heard evidence, and decided that there was a custom in the oil-trade that if the contract provided for shipment from a port in the United Kingdom—without specifying any particular port—it was the duty of the sellers to find and ship from an available port, and if the port from which they proposed to ship was not available they must ship from some other available port. They also upset the award in favour of the sellers as to the March 13 and 15 contracts. After hearing counsel on both sides, their Lordships set aside the award as to the March 13 and 15 contracts. As to the main contract the Court declined to interfere. An order was made accordingly.

Arising from a Showcase.—Justices Ivory and Rowlatt, sitting as a King's Bench Divisional Court, on May 19, heard the appeal of the defendants in the two actions, Jones & Co., chemists, the Grange Pharmacy, Southwick, against F. Carwardine, Ltd., Mortimer Lane, Hove, Brighton, and D. F. Jones, chemist, 62 Lyndhurst Road, Hove, against the same defendants, heard by Judge Mackarness at the Brighton County Court (*C. & D.*, March 11, p. 62, and March 18, p. 36). The actions arose out of the delivery at premises at 17 East Street, Shoreham, of a glass showcase, with glass shelves and mirror back, which had been purchased from defendants. It was complained before the County Court Judge that when Mr. Jones mounted the steps in the Shoreham shop, which was being fitted up for Jones & Co., and opened the doors of the showcase the showcase fell over upon him, pinioning him to the floor. A piece of glass deeply penetrated his back and he lost considerable blood. Mr. Jones personally claimed 20*l.* for personal damages, and Jones & Co. claimed 20*l.* for the renovation of the showcase and two guineas for depreciation. The County Court Judge found for the plaintiffs. Mr. J. F. Clements now appeared and argued the matter for the appellants, and Mr. Rowland Harker for the respondents, after which Mr. Justice Ivory delivered judgment, dismissing the appeal. He said the County Court Judge appeared to take the view that the accident was caused by the work of "putting up" being done so carelessly that the top was not properly secured to the base. The result was that when the plaintiff opened the doors the top part toppled over and came down with a crash. It was a question of fact whether the top part of the case was properly secured to the base. The Judge had found the contract was to deliver the case in one piece, and the carriers' men took tools for the purpose of putting the showcase together. There was evidence on which he could find that, and the appeal must be dismissed. Mr. Justice Rowlatt concurred.

Opium Exportation Case.—At Bow Street Police Court, before Mr. Hopkins, Harold Annison, of Bowyer & Bartlett, 147 Fenchurch Street, E.C., was summoned for aiding and abetting Sydney Cohen to export 70 lb. of opium from the United Kingdom without a licence. Mr. Frank Dart prosecuted on behalf of the Commissioners of Customs and Excise, and explained that on January 25 Sydney Cohen was fined 500*l.* at that court for illegally exporting opium (*C. & D.*, January 29, p. 118). Subsequently Mr. Albert Hall, Surveyor of Customs and Excise, went to the premises of Bowyer & Bartlett and saw the defendant's father, Mr. Frederick Annison, the sole member of the firm. He was shown an invoice-book, from which it appeared that Cohen had purchased 70*l.* worth of opium on

March 10, 1915. Mr. Hall noticed an item of 10s. for lining the packing-case with tin, and spoke about this. The defendant's father replied that there was nothing unusual in that, as they often packed opium in tin-lined trunks for people who were taking it to countries which banned its importation. Mr. Hall asked in what other ways they had packed opium for people who were taking it to such countries, and the defendant's father again replied, "We have packed it in packages with false bottoms, and have packed a large quantity in condensed-milk tins." In reply to a further question of Mr. Hall's, the defendant, who was present at the interview, said that it was he who saw Mr. Cohen and arranged to line the trunk with tin for him. He went on to say, "I sold him the opium in March last year. I said to him, 'Shall we apply for a permit to export it, or will you?' Cohen said, 'Oh, that's all right.' I knew what he meant. Of course, if a customer chooses to export things that are prohibited without getting a permit it is no business of ours. So long as we can sell our goods that is all we care about." Counsel added that there was no doubt that Bowyer & Bartlett did a very large legitimate business in the sale of opium to wholesale druggists, but this particular transaction, he submitted, was absolutely illegal. Evidence having been given in support of this statement, the defendant, on oath, said he had no idea that Cohen was going to export the opium without a permit, and he would not have been a party to assisting him to do so. When Cohen made use of the remark, "Oh, that's all right," he understood that he meant he knew he had to get a licence. He absolutely denied that he told Cohen he would run less risk of discovery if the opium was packed in a tin-lined trunk. The Magistrate remarked that the case broke down on a vital point, and he dismissed the summons.

Company News.

CHEMICAL-TRADE DEVELOPMENTS.—Brunner, Mond & Co., Ltd., Northwich, and the Castner-Kellner Alkali Co., Ltd., are combining to the extent that the latter are to allot to the former 250,000 shares of 1*l.* each, and B. M. & Co. are to allot to the Castner-Kellner Alkali Co. 200,000 shares of 1*l.* each.

W. J. BUSH & CO., LTD.—The annual meeting was held on May 22 at the Institute of Chartered Accountants, Moorgate Street, London, E.C., Mr. James M. Bush (chairman of directors) presiding. In moving the adoption of the report (*C. & D.*, May 20, p. 4), the Chairman referred to the efforts they were making to free the markets in which they traded, so far as they are able, from their dependency on the German chemical-industry. The company are also producing on a larger scale than heretofore other chemicals which are needed by the Government and the public. Sir George Hayter Chubb, Bart., seconded the motion, which was unanimously adopted. Mr. R. A. Bush considered the remarks which the Chairman had made with reference to the incidence of excess-profits taxation to be so apposite that public attention should be drawn to them. Mr. Alfred W. Bush (managing director) proposed the re-election of Sir George Hayter Chubb, which was seconded by Mr. C. S. Taylor and agreed to.

BENGER'S FOOD, LTD.—The annual report for the twelve months ended March 31, 1916, states that, after providing for depreciation, directors' and auditors' fees, and income tax, the trading (including income from investments) has resulted in a profit of 48,528*l.* 17*s.* 9*d.*, which, with the balance of 7,546*l.* 7*s.* 8*d.* brought forward, gives a disposable balance of 56,075*l.* 5*s.* 5*d.* Out of this the directors have paid the interim dividend on the cumulative preference shares to September 30, 1915, also an interim dividend of 1*s.* per share, free of tax, on the ordinary shares, and have transferred 1,000*l.* to advertising and extension of business account, and 10,000*l.* to reserve. These appropriations absorb £28,000, leaving a disposable balance of 28,075*l.* 5*s.* 5*d.*, which the directors have dealt with by the payment on May 1, 1916, of the balance dividend on the preference shares, and now recommend a further dividend of 1*s.* 3*d.* per share, free of tax, on the ordinary shares (making 2*s.* 3*d.* for the year), and carry forward as a balance the sum of 7,950*l.* 5*s.* 5*d.* The directors report that, while the sales of the "Benger" preparations have continued to increase, the profit therefrom has been more than absorbed by increased cost of production, which, together with a higher income tax, now reach a very high level with no prospect of any reduction in the near future. Mr. F. A. B. Benger retires by rotation, and, being eligible, offers himself for re-election.

Births.

LEICESTER.—At Shaw Lodge Estate, Shaw, on May 13, the wife of Charles Leicester, pharmacist, of a daughter.

MOORES.—At Doncaster, on May 10, the wife of S. G. Moores, pharmacist, of a son.

Deaths.

BAIN.—At Lybster, Wick, last week, Mr. James Bain, chemist and druggist, who was a native of the town and served his apprenticeship with Mr. John Banks, Bridge Street, Wick, after which he went south, qualified, and returning to Lybster began business there about twenty years ago. He had taken an active part in public affairs.

BENTERMAN.—On May 9, Mr. Charles H. Benterman, Francis Road, Leyton, aged thirty-six. At one time he was with Mr. T. H. Seed, chemist and druggist, Leyton, and started business for himself in the same locality some years ago.

BRÜCKMANN.—On May 21, Mr. Otto Brückmann, of Otto Brückmann & Co., drug-merchants 34 Fenchurch Street, London, E.C., aged sixty-two.

DECK.—At 28 Tenison Avenue, Cambridge, on May 20, Charlotte, widow of the late Alderman Arthur Deck, Ph.C., aged seventy-six.

MORGAN.—At Ross-on-Wye, recently, Mr. Philip Henry Morgan, chemist and druggist, late of 1 Nelson Street, Southend-on-Sea, aged sixty-nine. When he retired some time ago he was succeeded at Southend by Mr. John Hillen.

MOWAT.—At Port-Melbourne, Australia, on May 16, Mr. John Watt Mowat, chemist and druggist, late of Coatbridge. Mr. Mowat passed the Minor examination in Edinburgh in October 1883, and some years later went out to Australia, settling in Bay Street, Port-Melbourne, Victoria, latterly at No. 163.

SCOTT.—At 145 Todmorden Road, Burnley, on May 14, Mr. Joseph Scott, chemist and druggist, aged sixty-nine. Mr. Scott was the son of the late Rev. Walter Scott, Freckleton, Lancs, and was born there in 1849. In 1863 he was apprenticed to the late Henry Armstrong, chemist, Preston, so that when the Pharmacy Act, 1868, came into force he took advantage of the provision under which those who were assistants then could enter the Modified examination. This he did, and passed it in July 1870. In due course he began business on his own account, and thus had pharmaceutical experience of fifty-three years in Preston, Blackburn, and Burnley districts.

Died on Service.

CLARK.—Second-Lieutenant Richard Clark, K.O.S.B., the eldest surviving son of the late Mr. Richard Clark (Raines, Clark & Co., wholesale druggists), has been killed in action aged twenty-one. On leaving Edinburgh Academy Mr. Clark took up tea-planting in Ceylon, and when the war broke out he returned to this country and received a commission in the King's Own Scottish Borderers in January 1915.

ROBERTSON.—Private James Robertson, of the Royal Scots, who before the war was with Raines, Clark & Co., Ltd., wholesale druggists, Edinburgh, has died of wounds at the age of twenty-two.

SMITH.—Corporal W. Smith, of the Royal Flying Corps, formerly employed at the Eccles branch of Boots, Ltd., died suddenly at Farnworth last week, aged twenty-three. Full military honours were accorded at the funeral at Aldershot.

Wills.

The net value of the estate of the late Robert Brock Galbreath, chemist and druggist, 92 Causeyside Street, Paisley, is 5,655*l.*

MR. EDWIN R. BLATCHLEY, medical-biscuit maker, 35 Great Portland Street, London, W., who died on October 31, left estate valued at 18,722*l.* gross.

MR. JOHN SLATER, retired chemist, Beaumaris, Anglesea, who died on April 17, left estate valued at 7,962*l.* 10*s.* gross and 7,907*l.* 13*s.* 2*d.* net.

The late Mr. Kendal Daykin, chemist and druggist, Ripley, Derby, who died on March 6, left estate of the gross value of 7,284*l.* 2*s.* 8*d.*, of which 4,374*l.* 0*s.* 4*d.* is net personalty. Mr. A. E. S. Daykin, chemist, Ripley, receives his father's interest in his firm.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

ENGLAND.

Exeter.—The report has been issued of the Committee of Inquiry under Part VI. of the National Health Insurance (Medical Benefit) Regulations (England), 1913, which was held at Exeter Castle on March 21 (*C. & D.*, March 25, p. 47). The inquiry was held as to the continuance on the medical panel of the Devon Insurance Committee of Dr. John Hall Clements, Winkleigh. The report states that after a full review of the facts the Committee is not satisfied that the continuance of Dr. Clements on the panel would be prejudicial to the efficiency of the medical service, and has decided not to order the removal of the doctor's name from the panel.

Hampshire.—The desire of the Panel Committee to retain the right to write "Rep. mist." prescriptions led to a Conference recently with the Commissioners. The Insurance Committee and the Pharmaceutical Committee were also represented.—A meeting of the Pharmaceutical Committee was held at Winchester on May 10, Mr. Bartlett (Winchester) in the chair. Messrs. Wride and Upsom reported on the matter of "Rep. mist." prescriptions, and the Chairman said he hoped the result of their labours would be the total abolition of the practice of writing such prescriptions. An application has been made to the Insurance Committee to deduct 2½ per cent. from chemists' accounts for the expenses of the Pharmaceutical Committee, and for grants from the fund towards the cost of checking prescriptions by the Central Checking Bureau.

Hertfordshire.—A meeting of the Insurance Committee was held on May 22, when the question of the use of "Rep. mist." prescriptions was considered. The Commissioners, in reply to the protest of the Committee, state that the decision to allow for the current year the use of such prescriptions upon the terms indicated was arrived at after full consideration. The Clerk submitted statistics of the prescriptions dispensed during January.

London. The Panel Committee recommend that as chemists are unable to ensure the supply of marked dispensing-bottles, the doses be indicated by means of graduated slips of paper. The Committee want the use of these slips to be enforced by regulation.—A meeting of the Insurance Committee was held at the County Hall, Spring Gardens, S.W., on May 25. Among the reports before the Committee for confirmation was that of the Medical Benefit Sub-Committee, which in the matter of analysing the drugs supplied by panel chemists recommended that in any case in which there are reasonable grounds for suspicion that a chemist or other person on the list of persons supplying drugs and appliances is not supplying drugs and appliances to insured persons in accordance with the terms of his agreement with the Committee, the Clerk of the Committee be instructed to arrange to have presented to that chemist a prescription signed by a medical practitioner on the panel, and to submit the drugs or appliances so obtained for analysis. In two cases of alleged extravagant prescribing deductions of 13*l.* 15*s.* 3*d.* and 2*l.* 18*s.* 11*d.* were recommended. These refer to the period of three months ended March 31, 1915, and have been investigated by the Panel Committee upon representations made by the Pharmaceutical Committee. The Medical Service Sub-Committee reported on the result of the investigation of eleven complaints of the conduct of medical men, in one of which it was stated that the prescription given was "absolutely illegible, and it was not possible for the chemist to whom it was presented to dispense it." It is recommended that in this case an inquiry be held, although the complainant did not wish to appear before the Sub-Committee. A net increase took place during April of seven establishments dispensing for insured persons. All the reports were adopted.

Newport (Mon.).—At the meeting of the Insurance Committee on May 17, the question came up of obtaining the exemption of chemists from military service. Mr. Neagle protested against the obtaining of exemptions generally. Half of them, he said, were frauds, and much dissatisfaction is being caused among workmen by the manner in which exemptions are being obtained.

Sheffield.—Strong feeling exists among the panel chemists that the agreement to pay the balance on the previous account by the 15th of the second month has not been adhered to. The Insurance Committee desire to carry out this arrangement, but some latitude must be

given at the commencement of a new system. We are informed that an immediate payment will be made of the balance for March, also the payment of 5 per cent. on the balance withheld on the 1915 accounts, which was agreed upon by the Insurance Committee some time ago, but for which sanction was refused by the Commissioners. Authority to pay has now been received.—Panel chemists are complaining very much at the high price which is being paid for checking prescriptions. The deduction monthly of 2½ per cent. of the accounts is resented. It is thought this service should be a charge on the Drug Fund.

Staffordshire.—In the report of the Panel Committee to the Insurance Committee it was recommended that a doctor be surcharged with 75*l.* for extravagant prescribing. The doctor's average for drugs worked out at 4*s.* per patient.

Surrey.—A meeting of the Insurance Committee was held at the Caxton Hall, Westminster, S.W., on May 24. Among the reports received was that of the Medical Benefit Sub-Committee, which recommended for June and July advance payment to chemists at the rate of 6*d.* per script. The report also recommended that chemists be paid double dispensing-fees for prescriptions dispensed after ordinary business-hours and marked "Urgent." There are now 177 chemists on the panel. The Clerk reported on the steps taken to obtain exemption from military service in respect of sixty-two chemists of military age in the area of the Committee. In seven cases only temporary exemption is asked for.

SCOTLAND.

Arbroath.—The Insurance Committee, on May 16, adopted a report from the Medical Benefit Sub-Committee in regard to a meeting with a representative of the Pharmaceutical Society, when it was reported that 50 per cent. of chemists and their assistants had gone to the war. The Committee decided that chemists under contract with the Insurance Committee were indispensable, and that appeals for chemists' exemption from military service should be supported.

Dundee.—The Clerk to the Burgh Insurance Committee issued to chemists on May 15 cheques in payment of their accounts for January and February, as well as payment for March at the rate of 6*d.* for each prescription.

West Lothian.—The Insurance Committee met in Edinburgh on May 20, and considered complaints by the Pharmaceutical Standing Committee for Scotland with reference to the action of Dr. Kelso, Broxburn, in dispensing prescriptions to insured persons in a chemist's shop in Broxburn owned by him. The Committee decided that the doctor is not entitled to dispense in this way, and asked him to stop it. Extensive prescribing by certain panel doctors was the subject of a communication from the Scottish Commissioners, which was remitted to the Sub-Committee.

Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated. Please address us at 42 Cannon Street, E.C.

217/53. "Lactogen."	224/42. "Atlas Chemical Co.'s" preparations: supply in London.
226/48. Makers of or agents for small vulcanite tooth-combs packed in boxes marked "U.S.A."	228/33. Anti-vermin belts: makers.
228/38. Ness' terebene balsam.	220/45. Edwards' nursinettes.
216/50. Earl's diaspine.	

INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C.

Bertelli's catramin pills, 225/3	Salicylic acid (British makers), 210/11
Castor oil, 210/11 and 206/10	"Salith leaves," 206/27
Catgut, 219/3	Somerville's "Asiatic" body-cord, 228/27
Glacial acetic acid, 218/38	Teething necklaces (Gehrig's pattern), 213/23
Hormotone tablets, 212/27	"Thola," natural hair colouring, 214/6
"Ileita" hair-lotion, 208/15	"Thymotussin," 226/73
Insect-flowers, 213/27	Tiffin tea (for France), 228/20
"Kephaldol," 221/11	Tinder lighters, 213/44
Newton Mason's horehound and linseed linctus, 222/22	Tooth-powder, 223/55
"Nulomoline" (glycerin substitute), 206/26	"Urace," 224/29
Pumice-powder (French inquiry), 225/21	"Vitalia," 229/38
Ringrose's bedtime tea, 227/17	Water-glass, 23/42
Rubber printing sets, 212/48	

Observations and Reflections.

By Xrayser II.

The President's Address

at the annual meeting of the Pharmaceutical Society was extremely adroit, and showed all the good humour and self-confidence proper to one who was even then being returned at the head of the poll of Pharmaceutical Councillors; but, except in its review of finance, it contained little or nothing of importance. It was calculated to infect the audience with the speaker's own good humour and to present no points to criticism, both of which ends, it appears, from the discussion that followed, to have attained. Mr. White made, in short, a very clever speech, facile and superficial, which proved at least his fitness for diplomacy, and it is perhaps a diplomatist that more than anything else we at present need. But, as I have said, there was not much to discuss. Mr. Skinner was driven for matter to his file of the *C. & D.*, which he seems to have misread, for I can find there nothing from the Editor (or, indeed, from anybody else) answering to what he said about bacteriology, and Mr. Deakin to a ridiculous comparison of criticism to arson. Probably these gentlemen's thoughts were straying election-wards. The consideration of trade interests at this meeting came to the only end it could possibly have come to, but surely Mr. Wippell Gadd's proposal was not an amendment to Mr. Jenkin's, but a substantive motion.

The Conference of Last Week

has not increased my respect for our "Pharmaceutical Parliament," or, as I am more inclined to call it, our Debating Society. Most of its proceedings were what Carlyle calls "loud-sounding futilities." We have accepted the issue of the inquiry into the adequacy of the establishment-allowance, and it is therefore futile at present to demand an increase of the dispensing-fee. The Executive Committee reported that, whether or not a modification of this allowance provides satisfactory remuneration, increased remuneration must be had; the Conference accepted this, declared first that either the allowance or the fee, or both, must be increased, then that "a marked increase" of the fee must be obtained, and finally that the allowance is "totally inadequate." This is neither judicial nor business-like; if we are to go back on the arrangement agreed to by the previous Conference, we might at least have waited till we know its result; and if it could not wait, the Conference might have registered its determination in a more orderly manner. The most satisfactory features of the first day's proceedings were the assurance of Mr. Waring that his company is disposed to act in agreement with the Society, and Mr. Woolcock's assurance that no new terms would be accepted until they had been submitted to the Association.

The Second Day

was, for the most part, wasted in discussing a foregone conclusion, and much of what was left of it in considering resolutions, or motions, or whatever they were, which were either withdrawn or failed to pass. One result, however, of these debates is clear—that of riveting the chain of the Society more firmly than ever on the Conference and the Executive Committee. The best part of this day's work was that dealing with miscellaneous subjects, though one of these—that relating to the title M.P.S.—is trifling enough, and the motion aimed at the German chemical and pharmaceutical industry was not very happily worded. Upon the whole, the chief use of the Conference would seem to be that it brings men of different views together from all parts of the country and affords a means of intercommunication of ideas among them. Whether it is worth the 300*l.* which, if my memory serves, it was to cost I am not sure, but it must be admitted that a condensed report hardly affords sufficient data for deciding that question.

"Any Narcotic or Stimulant Drug"

is a fairly wide classification, and if we are to be debarred from selling all such, or any preparations containing them, to members of his Majesty's Forces, there may be much hardship to pharmacists and inconvenience to many perfectly legitimate buyers. If the Admiralty and Army Council are going to control the sale of these things, they must surely indicate the limit beyond which such sales may be safely carried on. The legal axiom *De minimis non curat lex* may be safe enough when prosecutions for the sale of poison are in the hands of the Pharmaceutical Society, whose officers ought to base discrimination on expert knowledge, but it is a different matter altogether when a regulation is being literally interpreted by a layman who has had no experience of pharmacy and has no knowledge of what constitutes a negligible quantity of a poison. I agree with you in thinking that it would have been much better if cannabis indica and the other doubtful drugs had been formally scheduled by the Pharmaceutical Society rather than that they should have been surreptitiously admitted to the list of poisons. I have heard it argued that cannabis is not a poison, because no matter what dose you give to an animal you cannot kill him with it. Whether an excessive dose might not kill an excitable female from shock is another matter, and if it would do so we are within our rights in saying it is a poison. However that may be, obviously it ought not to be officially classed as a poison simply on the *ipse dixit* of the Army Council.

Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1916, p. 365.

(From the "Trade-marks Journal," May 10, 1916.)

- Chain device, with words "CHAIN BRAND"; for chemicals (2), and for perfumery, etc. (48). By Johnson & Johnson, New Brunswick, N.J., U.S.A. 371,081/084. (Associated.)
- "OVICIDE"; for a plant-wash (2). By the Yalding Manufacturing Co., Ltd., Yalding, Kent. 371,730.
- "HYOSOL"; for all goods (2). By Lysol, Ltd., 9 and 10 St. Mary-at-Hill, London, E.C. 372,393.
- "ANFYLEX"; for a pile-cure (3). By the Hilleson Co., 14 Mansfield Road, Ilford. 371,940.
- "LARYNGOFORM"; for medicinal chemicals (3). By Southall Bros. & Barclay, Ltd., Birmingham. 372,095.
- "BISUROL"; for medicinal chemicals (3). By Bismag, Ltd., 212 Great Portland Street, London, W. 372,228. (Associated.)
- Device of cat and globe; for all goods (8). By Tatem & Co. (1915), Ltd., 3 Windsor Place, Cardiff. 372,061.
- "ANZAC," for prism binoculars and telescopes (8); "RETINEX," for lenses (8). By Sherwood & Co., 22 Verulam Street, London, E.C. 372,074/076.
- "ZETA"; for non-medicated surgical instruments, etc. (11). By Stapley & Smith, Ltd., 128 London Wall, London, E.C. 372,178.
- "SALUDOR"; for filters (18). By G. W. Cheavin, 25 Dryburgh Road, Putney. 372,373.
- Facsimile signature "Richard Nash"; for mineral and aerated waters (44). By R. Nash, Newcastle West, co. Limerick. 372,504.
- "EAU DE BRIGHTON" on label, with shield and words "Britain for the British," with facsimile signature ("Eau de Brighton" disclaimed); for perfumery manufactured in Brighton. By Pryse, Holled Smith & Co., 10 Hoya Villas, Hove. 370,854.
- "DONTOL," on oval label device; for a liquid dentifrice (48). By Beech & Co., 46 Erleigh Road, Reading. 371,151.
- "VEILEF"; for a rouge-substitute booklet (48). By Sarah J. Hudson, Dirlton, Ripon Road, Harrogate. 372,106. (Associated.)
- "PIERRETTE"; for perfumery, etc. (48). By Yardley & Co., Ltd., Stratford, E. 372,134.
- "VERA"; for all goods (48). By J. Hargreaves & Son, Ltd., 81 Binns Road, Liverpool. 372,241.
- "ESOLITH"; for a casein substance (50). By E. Collier, 8 Hornsey Rise, London, N. 372,287.



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Editorial Articles.

The Establishment-charge.

"This Conference is convinced that the establishment-allowance of 0.8*d.* is totally inadequate."

This resolution was passed by the meeting of delegates from Local Pharmaceutical Associations (England and Wales) at the meeting in London on May 17. It was emphatic, and opens the way to further negotiation with Mr. Charles Roberts, M.P., who is the ministerial head of the Insurance Commissioners, and with whom the representatives of Southern pharmacists came to a certain agreement last October, while Scottish pharmacists refused this and succeeded in December in continuing the war position until the end of the war, which means that they refused the reduced terms imposed by Mr. Roberts upon England and Wales, at a loss to dispensing chemists and other contractors of 15 per cent. It will be remembered that on the Departmental Committee on the Drug Tariff were three pharmacists—Mr. Woolcock, Mr. J. P. Gilmour, and Dr. J. F. Tocher—the first two being treated by the Pharmaceutical Society as their representatives, and although Dr. Tocher was not pharmacaceutically appointed, his pharmaceutical experience, combined with rare mathematical and statistical ability, were of special value to pharmacists because he was able to indicate that the data upon which 0.8*d.* was arrived at were incomplete. We recalled in our issue of October 16, 1915, the memoranda in regard to the establishment-charge which Dr. Tocher appended to the Report of the Departmental Committee. We then said that "dispensing chemists should not accept 0.8*d.* as a sufficient establishment-charge without assuring themselves that it is a fair suggestion and a correct figure." It is now known that it is incorrect, in so far as it does not accord with figures considered by the Departmental Committee, which, mathematically, accord better with 1.25*d.* for England and Wales, and at least a third more for Scotland. This has been known to experts in Scotland for many months; indeed, it was one of the principal facts which strengthened their opposition to the new terms last year. We think it right that pharmacy's indebtedness to Dr. Tocher should be acknowledged. As a member of the Departmental Committee he had not an altogether pleasant job, but right to the end his special knowledge was used in endeavouring to

prevent the Committee falling into the 0.8*d.* error. He did not succeed, but now, eight months afterwards, English pharmacists return to his line of action, thus establishing the value of his service, and leaving us all with the thought—how much better we might have all been had Dr. Tocher been better supported last September.

The Linseed-oil Outlook.

It will have been noticed from our Trade Report that certain of the vegetable oils, like linseed, castor, and rape, have for several weeks past shown a declining tendency, and the question which interests consumers is whether the drop is likely to continue, and whether it would be wise to defer buying for the present. So far as regards linseed oil we find on inquiry that the position from the holders' view-point is discouraging, and there is certainly not that degree of market confidence that was felt in the early part of the year regarding the maintenance of abnormally high prices. Although the market has displayed resistance to the decline for some time past at about 35*l.* per ton on the spot, this figure, of course, is still very high, though showing a setback of about 10*l.* from the highest figure recorded this year. On the one hand, the restriction of ordinary trade requirements has been underrated as indicated by the slack demand experienced for many weeks past. On the other hand, the redeeming features include the importations of seed by America and the demand for oil on British Government account in order to make up for the shortage of glycerin. Quite large quantities were requisitioned in this connection, and the outlet is not done with yet. It is well to bear in mind, however, that export business is under severe restrictions, and that Continental requirements are much reduced. Were exports again allowed to Holland, where much higher prices are ruling, the outlook, of course, would undergo a considerable change, but this is altogether out of the question as long as the war lasts. The crushing-industry is doubtless much hampered by the scarcity of labour, but the home output of oil continues more than sufficient to meet current outlet. Holders of oil, as a matter of fact, find some difficulty in lightening their stocks. The takings on the part of linoleum-makers, which under normal conditions are usually an important factor, have undergone a very considerable contraction since the upsetting of the export trade by the war. Crushers have been enabled to recoup themselves to some extent for the high cost of raw materials by the very big prices obtainable for linseed-cake, the demand for which is stronger than ever and cannot be satisfied, owing to the inadequate supplies. This feature is, of course, due to the scarcity of other feeding-stuffs which are also abnormally dear. The London stocks of linseed oil now amount to about 5,600 tons, or only about 1,000 tons less than at this time last year, and so far as can be gathered they are more likely to increase than decrease. The present premium, varying up to about 2*l.* 10*s.* per ton, on forward delivery of oil has no special significance, having regard to the future course of the market. This premium, indeed, may be largely attributed to the slackness of the demand for spot oil, although it would seem advisable for consumers to cover themselves to some extent in spot oil, at the ruling discount, against their requirements over the autumn. Should an improvement take place in shipping through lower freights, there is no doubt that the market would be quickly affected and the premium on forward positions would dwindle. Last year's crop yields were reduced partly owing to the smaller areas

under cultivation in face of the high prices ruling for wheat, but the acreage this year will be larger, so that heavier crops are likely to ensue. There is still a very considerable surplus to be shipped out of last year's crops. India, where the crop outlook is considered quite satisfactory, has been shipping more freely of late, but the position in River Plate is rather difficult, the prices ruling locally being too high to facilitate shipments.

"The Mixture: Neuralgia."

It was submitted in a Medicine-stamp Act case last week that a medicine labelled as above is not dutiable, but the Magistrate did not follow this opinion, and fined the seller, as the medicine was not stamped (see *C. & D.*, May 20, p. 53). In this connection we recall the appeal case *Ransom v. Sanguinetti*, when the High Court of Justice decided on March 26, 1903, that a medicinal confection labelled "Pure Gum Pastilles: Influenza" is dutiable. Sir Edward Carson, K.C., as Solicitor-General, appeared for the Crown, and Mr. Asquith (now Prime Minister) for the respondent. The case that we reported last week is practically the first of the kind since Lord Alverstone's decision. The only verbatim report of the 1903 case is printed in the second volume of "Pharmaceutical Formulas," p. 41.

Chemical-makers Organising.

We have on various occasions since the outbreak of war urged that chemical-manufacturers should combine forces for defensive purposes against a highly organised but unscrupulous competitor nation. We had in view chiefly the makers of fine chemicals and the problem of the continued use of registered trade-mark names for chemicals the patents for the manufacture of which had expired. The difficulty of combined action we found for various reasons to be a very real one. On this account we welcome the steps that have been taken to promote an Association of British chemical-manufacturers. The objects as laid down for the Association, which are printed on p. 41, do not definitely include the point we have referred to above, unless the matter could be dealt with under the third clause—i.e., by an amendment of the law of trade-marks. The new Association, which promises to be a powerful one, will need highly organising on account of the diversity of interests involved. Numerous Sections or Committees will be required to represent all aspects of the chemical-trade and the problems opened up in the objects of the Association. As to the necessity for such an Association there can be no doubt.

Patent-medicine Imports into Australia.

CABLES have been received in London that the Australian Commonwealth Senate has passed a law prohibiting the importation into Australia of patent medicines unless they bear a label showing in general terms the constituents of the medicine. Further details are not yet to hand, and inquiries at the office of the Australian Commonwealth show that the officials have not yet received any intimation regarding the matter. It is surmised that action has been taken by an amendment of the Commerce (Trade Description) Act, 1905. By Section 15 of this Act "medicines or medicinal preparations for external or internal use" are exempted from the requirements of Sections 7 and 11, which deal with the "trade description" of imported articles. Section 3 shows that "trade description" is a comprehensive term which could readily be made to include a declaration of the ingredients of a medicine provided Section 15 (b) was repealed. We await further definite information on this point. We may point out, however, that in 1912 the Western Australia authorities took steps under the Health Act to require the composition of proprietary medicines to be declared upon the label. After vigorous protests from importers the regulations were withdrawn, the reason being that it would be better to wait for a uniform provision for the Commonwealth. It is possible that this has now come about by the action referred to above.

Corner for Students.

Conducted by Leonard Dobbin, Ph.D.

Communications should be addressed "Corner for Students, 'The Chemist and Druggist,' 42 Cannon Street, London, E.C."

Report on the April Analytical Exercise.

The powder distributed to students on February 8 contained five parts by weight of lead carbonate, four parts of potassium sulphate, and one part of ammonium di-hydrogen arsenate. The calculated composition of such a mixture is—

Pb	...	...	...	38.8
K	...	...	...	18.0
NH ₄	...	...	...	1.1
CO ₃	...	...	...	11.2
SO ₄	...	...	...	22.0
AsO ₄	...	...	...	8.8
H	...	...	...	0.1
				100.0

The powder also contained, as impurities, a distinct trace of magnesium, and recognisable traces of iron, aluminium, and a chloride.

Samples of the powder were distributed to forty-one students, and seventeen reports were sent for examination. All our correspondents succeeded in detecting the sulphuric-acid radical. The failures in the detection of the other main constituents were: (a) Metallic radicals: Lead, 1; potassium, 1; ammonium, 7. (b) Acid radicals: Carbonic, 3; arsenic, 12. Six students failed to observe the evolution of water in small quantity when the powder was heated in a dry test-tube.

The most important lesson of this exercise is one which has often been referred to in this column—i.e., not to assume that the state of matters which is regarded as the most probable is the one actually in hand. In chemical analysis the improbable is frequently encountered, and in dealing more especially with exercises designed for practice and competition, preconceived ideas as to what is likely to be present should find no place. The arsenic-acid radical in the present mixture was mistaken in about two cases out of every three for that of phosphoric acid, usually on the strength of evidence derived from the behaviour with ammonium molybdate and unconfirmed by any other test. The last-named reagent was applied in numerous instances to the original solution of the powder, when the formation of a yellow precipitate might indicate the presence either of an arsenate or of a phosphate, as a number of students stated; but a few simply concluded that a phosphate was present and proceeded accordingly. Of those who tested for arsenate and phosphate, however, in the sodium-carbonate extract, by means of silver nitrate, the majority reported the formation of a yellow precipitate, and concluded, likewise, that a phosphate was present. How this result was arrived at we are at a loss to understand, since on repeating the experiment we obtained a precipitate of a distinctly reddish-brown colour, which clearly indicated an arsenate. It was only in the cases of one or two isolated students that any serious attempt was made to separate the arsenate at the place where it ought always to be sought for and, if present, separated—that is, during the original precipitation with hydrogen sulphide—and those who did this attained success. Precipitation by the prolonged action of hydrogen sulphide on the hot solution, or by hydrogen sulphide either after reduction of the arsenate by means of sulphurous acid or, better still, after the addition of sodium thiosulphate, ensured the complete removal of the arsenic, and if the final saturation of the solution with hydrogen sulphide was effected in the cold and in presence only of very dilute hydrochloric acid, the lead was also eliminated as sulphide. Only after the arsenate had been reduced and completely separated was it possible to test for the presence or absence of a phosphate by means of ammonium molybdate.

PRIZES.

The First Prize for the best analysis has been awarded to ANNIE R. BENZIE, care of Watt, 32 Whitehall Place, Aberdeen.

The Second Prize has been awarded to

CYRIL T. HINES, Norfolk House, Danvers Road, Hornsey, N.

First Prize.—Any scientific book that is published at a price not greatly exceeding half-a-guinea may be taken as a first prize.

Second Prize.—Any scientific book which is sold for about five shillings may be taken as a second prize.

The students to whom prizes are awarded are requested to write at once to the Publisher naming the book or books they select.

MARKS AWARDED FOR ANALYSES.

1. Correspondents who are unqualified:

Annie R. Benzie (1st prize)	...	Kut	...	...	74
Cyril T. Hines (2nd prize)	...	Onyx	...	...	66
Arthur Noble	...	Dalalag	...	...	64
Elswick	...	J. J. W.	...	...	64
H. I. W.	...	Parex	...	...	62
Un yn Trio	...	Primus	...	...	62
Nomen	...	Senex	...	...	51
	...	Osmium	...	...	49
	...	Victory	...	...	47

2. Correspondent who is qualified:

Nitrax 81

TO CORRESPONDENTS.

ANNIE R. BENZIE.—Note that the portion of the silver-group precipitate left undissolved by boiling water, of the copper and arsenic group precipitate left undissolved by potassium hydroxide, etc., is ordinarily described as "residue," and not as "precipitate."

CYRIL T. HINES.—The powder was partly soluble in water—not insoluble. Bismuth and cadmium should have been definitely proved to be absent.

ELSWICK.—The dark-coloured precipitate which you obtained in the zinc group must have been due to some lead which had escaped precipitation by hydrogen sulphide. It is unfortunate that you did not make a special search for an arsenate. Exigencies of space necessitated the omission of the following sentence from our reply to you last month: In our testing, alizarin yellow did not give as satisfactory results for aluminium as alizarin red, although the colours produced were somewhat similar.

H. I. W.—Note that the absence of violet vapour and of red fumes when the powder was heated in a dry tube did not prove the absence of an iodide and of a nitrate or nitrite. All iodides do not lose iodine when heated, and several nitrates do not yield red fumes.

UN YN TRIO.—Not only sulphur, but also arsenious sulphide would be volatilised, if present, by heating the precipitate consisting of arsenic-group sulphides. Only antimony and stannic sulphides would yield non-volatile matter.

KUT.—Your conclusion as to the presence of a chloride as a main constituent seems to be founded on a misinterpretation of the behaviour of the powder with sulphuric acid and on the use of manganese peroxide which was not free from chlorides.

ONYX.—When testing for acid radicals you report that magnesia mixture did not produce any precipitate, and that this proved the absence of phosphate. The arsenate ought to have yielded a precipitate of ammonium magnesium arsenate at this point.

DALALAG.—Although the results which you state are in the main correct, your report does not give even in outline an account of your general procedure. Preliminary tests should have been applied and reported upon, together with a detailed account of your analysis. Lead and potassium you reported, but did not prove present.

J. J. W.—The test for ammonium salts was too roughly applied. The way to make the test a delicate one has often been described in this column. The solution of ammonium molybdate which you used does not seem to be in working order, or you added it to a liquid containing too much hydrochloric acid.

PAREX.—You evidently suppose that in the presence of the phosphoric-acid radical the whole of any barium-group metals would be precipitated as phosphates along with the iron-group metals, but this would only be the case if excess of the phosphoric-acid radical were present. If any deficiency existed these metals might be partly precipitated as phosphates and partly left in solution.

PRIMUS.—You will find it time well spent if you devote a few minutes to applying the ethyl-acetate test for acetates to some mixtures containing respectively much, little, and no acetate and carefully noting the indications obtained.

SENEX.—We failed to obtain any indication of the presence of a trace of a nitrate by applying Tingle's test.

OSMIUM.—You must exercise much greater care in applying tests if success is to be attained. Your failures to obtain reactions due to lead both on cooling the hydrochloric-acid solution and on passing hydrogen sulphide through it, and to obtain reactions due to the arsenate by means both of ferric chloride and of ammonium molybdate, indicate this very clearly.

THE ANALYTICAL TOURNAMENT.

The exercise just reported upon is the concluding one of the tournament series, and we are now able to review

the contest and to announce the results. Despite the unfavourable circumstances of war conditions, the competition attracted much attention and attained no small measure of success. From first to last no fewer than sixty-nine students took part in it, contest was keen, and some really excellent work was done, as the high scores from month to month testified. The awards are as follows:

The first place has been taken by "Bennachie" (Annie R. Benzie, care of Watt, 32 Whitehall Place, Aberdeen), with an aggregate score of 549, made up of 99, 74, 97, 96, 87, and 96, and to her the first prize of books to the value of 2*l.* 2*s.* and a certificate have been awarded.

The second prize of books to the value of 1*l.* 1*s.* and a certificate have been awarded to "Ferrum" (Cyril T. Hines, Norfolk House, Danvers Road, Hornsey, N.), whose aggregate score is 540, made up of 98, 76, 95, 82, 95, and 94.

The third prize of books to the value of 10*s.* 6*d.* and a certificate have been awarded to "Elswick" (John T. Bell, 12 Nichol Street, Newcastle-on-Tyne), with an aggregate score of 538, made up of 97, 99, 96, 92, 72, and 82.

We congratulate the prize-winners on their success, and shall be pleased to hear from them at once as to the books they desire to have as prizes. To all the other competitors we offer our thanks for the contributions they made to the general success of the tournament

Organising Chemical Industry.

A JOINT COMMITTEE of the Chemical Society, the Society of Dyers and Colourists, and the Society of Chemical Industry has been at work for some time in devising a scheme for organising the chemical-manufacturers, and as a result of the report of this Committee a meeting was held on May 23 in the rooms of the Chemical Society, Burlington House, Piccadilly, London, W. There were about two hundred persons present, among them being Sir William Pearce, Sir Edward Evans, Mr. J. F. L. Brunner, M.P., Mr. Robert Mond, Dr. C. C. Carpenter, Dr. Alfred Ree, Professor H. E. Armstrong, Dr. M. O. Forster, Mr. Ralph Dodd, Mr. G. A. Pearson, Mr. C. A. Hill, Mr. W. A. H. Naylor, Mr. F. W. Branson, Mr. T. D. Morson, Mr. L. J. Morson, Mr. Kenneth Allen, Mr. E. T. Brewis, Mr. E. J. Boake, and Dr. E. F. Armstrong.

Dr. Alexander Scott, President of the Chemical Society, opened the proceedings, and told of the steps which had led up to the calling of the meeting. The matter being considered to be somewhat outside the scope of the Chemical Society, a Joint Committee was constituted. It is essential that in their own interests there should be formed an Association of chemical-manufacturers powerful enough to influence legislation and to indicate to the Government what is necessary in the national interests. The scheme before the meeting recommended that an Association of British chemical-manufacturers be founded, having the following objects:

1. To promote closer co-operation between chemical-manufacturers.
2. To form a medium for placing before Government and Government officials its views upon matters affecting the British chemical industry.
3. The furtherance of better technical organisation and the promotion of industrial research.
4. To keep in touch with the progress made in chemical knowledge and practice, and thereby to facilitate the development of new British industries and the extension of existing ones.
5. To promote closer co-operation between chemical-manufacturers and the various Universities and Technical Colleges.

The objects, it was suggested, could be best attained by the following methods:

(a) The Association might finance and supervise researches undertaken in co-operation with teaching institutions in the interests of chemical industry as a whole, such researches to be made available to any member.

(b) It might advise its members in regard to particular researches or investigations which they may wish to undertake or have undertaken in the laboratories of teaching institutions, as well as in regard to the most suitable institution or authority to whom to apply in cases of difficulty.

(c) It might obtain the services of a chemically trained administrator of wide knowledge and organising ability, who would be paid a substantial salary and debarred from undertaking private work. A special Committee of the governing body, containing also representatives of the academical profession, might be appointed to work in consultation with him. It might also appoint an Advisory Committee to promote systematic conferences between manufacturers and teachers.

(d) The Association might keep a record, for the sole use of its members, of all British-made chemical products and their makers.

It might facilitate mutual help and action between firms pursuing similar aims, discourage unnecessary duplication in carrying out investigations on the same subjects, thereby avoiding loss of time, duplication of plant, etc.

(e) The necessary funds might be provided by an annual subscription *plus a pro rata* addition based as far as possible on the size of the subscribing undertaking.

Having thus placed the scheme before the meeting, Dr. Scott asked that a Chairman be elected. Mr. R. D. Pullar was elected, but as he was not present Dr. C. C. Carpenter took his place. Dr. Carpenter urged the necessity of combination between chemical-manufacturers, and gave labour unions as an instance of what can be accomplished by exerting a united influence upon the Government. It is absolutely necessary to pool our resources of men, money, and brains if the industry is to withstand competition in the future. Sir William Pearce, M.P., said it must not be forgotten that the Labour Party has members in the House of Commons and is able to influence legislation in that way. Among questions which urgently need attention is that of the excess-profits tax, which will leave manufacturers without the means of increasing plant and taking up new manufactures. He also urged the importance of research. Dr. Ree urged that there is no time to waste, and that an energetic Organising Secretary should be appointed at once. Sir Edward Evans referred to the need for a Central Association representing all the traders of the country. Associations of different traders could then be affiliated to the central body. Such an Association could go to the Government and make demands as a right, not as a favour. Mr. Boake urged that the Association must be confined to British firms, and the Chairman pointed out that this was a recommendation of the Joint Committee. Mr. R. H. Clayton (Manchester) emphasised the importance of selecting a Secretary with knowledge of the trade. Mr. J. F. L. Brunner then moved a resolution that an Association be formed with the objects given above. Technical education, he said, has been neglected to a scandalous degree, and the lack of chemical knowledge by Government officials has kept the country back in more ways than one. The Imperial College of Science, with splendid buildings, has many departments unequipped from want of funds. Mr. H. G. Perry (Chance & Hunt) seconded the motion, which, on being put to the meeting, was carried unanimously. Dr. E. F. Armstrong then proposed that a Committee of six be formed to draw up the constitution and the rules and report to another meeting. This was seconded by Mr. Boake and carried unanimously. The Committee was then elected as follows: Dr. C. C. Carpenter, Dr. Alfred Ree, Dr. E. F. Armstrong, Sir William Pearce, Mr. H. G. Perry, and Mr. C. A. Hill. The Committee has power to co-opt further members.

General Medical Council.

THE Council met for its spring session on May 23 in the new buildings at 44 Hallam Street, near Portland Place, London, which was completed just in time for the meeting. Sir Donald MacAlister presided, and remarked that business will now be transacted in circumstances of greater quiet than at 299 Oxford Street, while the central position of the older premises makes the site so valuable for business purposes that the proceeds of the sale, together with surplus funds in the hands of the Council, have met the expenses of the new erection. Already No. 299 is surrounded with scaffolding for speedy conversion; and if Hallam Street is not so central for the public as Oxford Street, it is in the heart of the neighbourhood associated with the medicos. At each end of the Council-room is a gallery for the Press and strangers, and for members. There is a convenient accommodation on the three floors for committee, smoking, and refreshment rooms; and witnesses, visitors, strangers, and the Press will not have, as in former times, to crowd one small room and the passage. Busts of late Presidents are placed on brackets along the wall; to them is now added one of Sir Wm. Turner, the original model for the marble bequeathed to the Anatomical Museum at Edinburgh, and acquired by and presented to the Council by Sir Donald MacAlister.

Three well-known faces are missing from the assembly this session. Sir Thomas Fraser is succeeded in the representation of Edinburgh University by Professor H. Harvey Littlejohn, M.B., who was introduced by Mr. Hodsdon; Sir William Whitla retires on the completion of his term of office as representative of the Queen's University of Belfast, and in his place Dr. Johnson Symington was introduced by Dr. Little. Of Sir William the President said in

his address, "His great erudition and practical knowledge in the department of pharmacology and therapeutics were freely placed at the service of the Pharmacopœia Committee. His colleagues and the editors were constantly indebted to him for willing and able help in the preparation of the new Pharmacopœia." The President feelingly alluded to the loss of Sir Charles Ball, "who died in the midst of his many activities two months ago." In his place, representing the University of Dublin, comes Professor Andrew Francis Dixon, M.B., Sc.D. The President also referred in his address to the Registrar, now Lieut.-Colonel King, who is in command of a battalion training for the Front, and, to his great disappointment, is thereby prevented attending the inaugural meeting in the new chamber. The necessary demands of the Services for qualified medical officers continue, said the President, to put a severe strain on the resources of the profession. But, he went on to say, the number of practitioners added to the Register in 1915 had, contrary to general expectation, been 1,526, or 354 in excess of the average. This was the result of the decision to recall from the combatant ranks medical students of the senior years, and the establishment of reciprocity with the Dominions and with Belgium. The expected depletion of students had also been more than compensated for by new entries. It is proposed to call Lord Derby's attention, however, to the shortage of third and fourth year students. Sir Donald also referred to the decision as regards companies in Scotland calling themselves "Dr.," and reported that the whole of the Dominion of Canada, except Alberta (which has expressed a desire for reciprocity), has fulfilled the conditions of the Medical Act, 1886. Japan's new law on medical practice, intimated to the Council ten years ago, comes into operation in October.

Penal business commenced on Wednesday. The Central Midwives Board complained that Herbert M. Reeve, M.R.C.S., Southend-on-Sea, had enabled a midwife, whose name had been removed from the roll, to practise in contravention of the Midwives Act. The Council take a grave view of such offences, but adjourned the case last November. Mr. Reeve now reappeared and produced testimonials as to his conduct in the interval. After a few minutes' consideration the Council decided that they did not see fit to remove his name from the Medical Register. A similar case was against Frederick Robinson, L.R.C.P., Rotherham, in respect to enabling a Mrs. Fisher to contravene the Midwives Act. After a long hearing the Council found Mr. Robinson to be guilty of infamous conduct in a professional respect, and directed the Acting Registrar (Mr. Cockington) to remove his name from the Medical Register. The name of Kenneth Ram Gujral Shaw, M.B., Ch.B., was ordered to be removed from the Medical Register because he had been convicted of (1) being drunk and disorderly and (2) exposing his person. A third Midwives Act case was against Daniel Evans Powell, M.B., C.M., 101 High Street, Tooting, S.W., but it was not concluded when we went to press.

Trade Notes.

WILFRED TURNER & CO., LTD., 30 Craven Street, London, W.C., offer "Record" hypodermic syringes and hypodermic needles.

RAJAR, LTD., Mobberley, in Cheshire, emphasise in an interesting way how the new summer time will improve photographic business.

RUSSIAN RAW PRODUCTS, such as lycopodium, ergot, cantharides, and other drug and perfumery requirements, are offered by T. Parkinson-Worswick, Tverskaia 24, Moscow.

THERMOS, LTD., is a British company whose headquarters are 8 Long Lane, Aldersgate, London, E.C. They will send their catalogue of Thermos flasks to any of our readers on application.

THE CHYMOL CO., LTD., Atlantic House, Holborn Viaduct, London, E.C., is a British limited company, and Chymol is made in London, so that a statement published to the effect that it is the product of a neutral country is erroneous. This is clearly shown in correspondence contained in the company's advertisement this week.

HERTZ & CO., 9 Mincing Lane, London, E.C., are well known to the trade as big handlers of produce in constant demand, such as liquid paraffin, petroleum-jelly, "Halifor" ground essences, oil of perfume for brilliantine, and the like, as well as Ricksecker's toilet-preparations, quotations and samples of which they will send to readers on request.

KINSOL MEDICATED TOILET-SOAP is the latest product of the Erasmic Co., Ltd., Warrington. It is a beautifully produced soap, of green colour, and peculiarly pleasant herb-odour, three cakes of it being put up in a box which is attractive and novel. An effective four-page leaflet in several languages accompanies each cake of the soap, which the Commissioners of Customs and Excise have declared to be non-liable to medicine stamp-duty.

BELLADONNA AND HENBANE.—Specimens of belladonna and henbane leaves and belladonna-root, grown at Mentha, Mich., by the A. M. Todd Co., have been sent to us. The leaves are from first and second years' plants, and all the products equal in alkaloidal content the Pharmacopœia requirements. Mr. R. F. Stroud, formerly of Leicester, has charge of the farms where these are grown, and the quality of the drugs quite justifies the German conclusion that the United States is beating it in this business.

SHIRLEY BROS., LTD., have introduced several toilet preparations—e.g., "Peach" face-cream—put up in a novel form, the container being a white porcelain pot, the bottom of which slides up and thus expels sufficient of the contents from the small orifice at the top. Peach face-cream is a perfectly white preparation that is readily absorbed by the skin when rubbed upon it. The new hygienic pot is illustrated in the Shirley advertisement, and the company supply the cream and other preparations at 4s. per dozen for the small and 8s. 6d. per dozen for the large size. Solidified brilliantine is also put up in similar form at 12s. per dozen.

GALLONAGE TABLE.—Stevenson & Howell, Ltd., Southwark Street, London, S.E., have published a gallonage table for the use of manufacturers of table-waters in calculating the equivalent number of gallons for quantities of half-dozen to 100 gross of bottles and syphons of various sizes from 5 oz. to 40 oz. The quantities are given in gallons and fractions of a gallon, and a smaller table is given in which the decimal equivalents of the fractional gallons are stated. The table, which is clearly printed on a card measuring 10½ in. by 15 in., is being sent to all manufacturers of aerated waters. It is a most useful table, enabling calculations for table-waters duties to be made with little loss of time and no worry.

PARKE, DAVIS & CO. are developing their lines of production in a way which shows that they have a keen appreciation of the directions in which the war has limited supplies of medicinal chemicals. An example of this is the new silver compound which they place on the market under the name "Protosil." Pharmacists and physicians are equally aware that during the past decade there has been increased appreciation of the therapeutic properties of silver compounds in which the metal is associated with organic bodies. Parke, Davis & Co. have succeeded in producing a soluble proteid compound which can be relied upon. It is Protosil, and occurs as a granular, almost crystalline, dry substance, dark purple in colour, and it dissolves readily in water, making a brown solution, partly dichroic, which dilutes to a golden tint. The solubility of the product and its proved therapeutic efficacy indicate that physicians may prescribe it with confidence in place of German articles of a similar character. The firm send it out in ½-oz. and 1-oz. bottles. They are also making a feature of the supply of sterilised subcutaneous injections in ampoules each holding 1 c.c. of the finished solution. A good example is scopolamine and morphine solution, each dose containing 1-150th of a grain of scopolamine hydrobromide, and 1-6th of a grain of morphine hydrobromide. It is nearly ten years since such an injection was used by a Continental practitioner to limit childbirth pains, and the investigations and publications by Dr. R. C. Buist (Dundee) confirmed these observations, so that scopolamine and morphine have come to be regarded in this country as most useful in obstetrics, as well as for the production of general anaesthesia. Parke, Davis & Co.'s "Glaseptic" ampoules of this and other solutions are a distinct advantage. The firm publish an excellent booklet in regard to the composition and uses of the ampoules, and dispensers can obtain copies of it for distribution to their medical friends. A similar remark may be made in regard to the booklet respecting P., D. & Co. capsules and globules. These are beautifully made products, the contents of which the firm guarantee as being correct in quality and dosage. Further particulars in regard to these articles may be obtained from Parke, Davis & Co., Beak Street, London, W.

OUR newly discovered enemy, the fly, dislikes the *Eucalyptus Globulus* intensely, and a dwelling-room in which a plant of it is kept healthy will generally be found to be quite free of these dangerous pests.—*Medical Press and Circular*.

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

REGISTRATION OF FIRMS BILL.

This Bill is now under consideration by a Select Committee of the House of Lords, presided over by Lord Muir Mackenzie. It is probable that several of the Chambers of Commerce throughout the country who are in favour of the measure will be asked to tender evidence.

NITROGEN PRODUCTS AND CARBIDE CO.

In the House of Commons on Monday, Dr. Addison informed Mr. T. M. Healy that it is not in the public interest to make any announcement as to the progress of particular munition-factories, and it is undesirable that the localities of such factories should be mentioned in questions in the House.

SHOP-ASSISTANTS AND DAYLIGHT SAVING.

Replying to Mr. Anderson on May 24, the Home Secretary said it would certainly be most unfortunate and contrary to the wishes of Parliament if shop-assistants were prevented, owing to an increase in their working hours, from taking advantage of the Act. At present he had no reason to anticipate that.

VENEREAL DISEASES.

A circular letter is being issued from the Local Government Board explaining to all local authorities throughout the country the arrangements which are required for the provision of facilities for the diagnosis and treatment of venereal diseases, and the conditions under which Government grants will be made for the purpose.

MEMBERS AND SCIENCE.

On Thursday, May 18, about fifty members of the House of Commons visited the Imperial College of Science, South Kensington, at the suggestion of Sir Alfred Keogh, the principal (at present head of the R.A.M.C.). Mr. Arthur Acland addressed them, and Sir Norval W. Helme, M.P. for Lancaster, replied. After which the members inspected the laboratories, in which war work was chiefly going on.

DYESTUFFS FOR THE UNITED STATES.

Replying to Sir John Lonsdale and Mr. Fell on May 24 regarding the proposed exportation of 15,000 tons of dyestuffs from Germany to the United States, Lord Robert Cecil recalled the fact that the negotiations about the matter took place in April 1915. He assured Sir J. Lonsdale that if it is the object of the Germans to raise the rate of exchange in this manner they would consider it very carefully. It was said that the shipment represents \$5,000,000, and that \$25,000,000 more is to go.

LESS WHISKEY.

Dr. Addison, M.P., Parliamentary Secretary to the Ministry of Munitions, received a deputation of Scottish malt-distillers on May 18 to discuss the position created by the recent Order, under which, on May 28, a number of the patent-still distilleries are to close, to enable them to be adapted, under an agreement with the trade, for national purposes in connection with the war. The proceedings were private.—Mr. Runciman (President of the Board of Trade) and Dr. Addison also met on May 24 representatives of the pot-still distilleries on the question of a reduction in the output of the distilleries with a view to saving shipping tonnage space. It was decided that a small Committee representing the pot-still distilleries should be appointed to confer with representatives of the Board of Trade and the Ministry of Munitions on the details of proposals with this object in view.

THE EXEMPTION OF CHEMISTS.

The President of the Local Government Board (Mr. Walter Long) has informed Mr. G. A. Touche, M.P. for North Islington, that inquiry is being made into the method adopted of dealing with the exemption of chemists from military service by relation to the population of areas. It was pointed out to the right hon. gentleman that in Dorking this has resulted in a position where the Advisory Committee's recommendations, if used as the basis of the Tribunal's decision, would cause exemption to be withheld from a married chemist who is the qualified proprietor of an establishment doing the largest and most important dispensing business in the district, while at the same time exemption has been granted to the young unmarried assistant of a competitor who is himself over military age. The hon. member expressed the wish that the Local Government Board should consider the desirability of directing that, as far as possible, the exemptions of chemists should apply preferentially to qualified proprietors on whom the responsibility of a business rests.

Association Affairs.

Chemists' Dental Society.—The annual meeting of this Society was held at the Holborn Restaurant, London, W.C., on May 17—the President, Mr. Templar E. Malins (Cardiff), in the chair. There were also present Messrs. E. Brownbill (Leeds), J. Hearle (Islington), Sidney Davis (Chesham), S. V. Brook (Lavender Hill), K. Nixon (Long Eaton), G. Rae Patterson (Ashington), J. W. Roberts (London), Treasurer, and Benson Harries (Newport), Hon. General Secretary. The annual report, which was summarised in the *C. & D.* last week (p. 66), was adopted, as was also the financial statement presented by the Treasurer. These are to be printed and circulated to the members. The following were elected to the seven vacancies on the Council: Mr. S. Davis (Chesham), new member, and Messrs. B. Harries, K. Nixon, Paterson (Leith), J. W. Roberts, J. S. Smith (Cotehill), and J. H. Tasker, re-elected. The officers for the ensuing year were elected by the Council as follows: *President*, Mr. Kenneth Nixon (Long Eaton); *Vice-President*, Mr. J. L. Smith (Manchester); *Treasurer*, Mr. J. W. Roberts (London); *Hon. General Secretary*, Mr. Benson Harries (Newport). Mr. W. R. Russell was requested to continue as Hon. Solicitor, and was thanked for his services to the Society. Local Secretaries were elected as follows: Mr. J. Hearle for North London, Mr. J. Y. Fairweather for S.E. London, Mr. S. V. Brook for S.W. London, Mr. E. Brownbill for Leeds, Mr. Templar E. Malins for Cardiff, Mr. G. Rae Patterson for Northumberland, Mr. J. L. Smith for Manchester, Mr. K. Nixon for Derbyshire, and Mr. S. Davis for Chesham. It was agreed that members of the Society on active service should be exempt from payment of the annual subscriptions while so engaged. Nineteen new members were elected. Votes of thanks to the retiring President and to the Treasurer and Secretary closed the proceedings. An informal supper-party was afterwards held.

Institute of Ophthalmic Opticians.—A meeting of the Council was held at the Holborn Restaurant, London, W.C., on May 18, when Mr. A. Upson and Mr. F. W. Dadd were re-elected *Chairman* and *Vice-Chairman* respectively, and Mr. J. Harcombe Cuff was re-appointed *Secretary* and Editor of the "Institute Journal." Subsequently Mr. Boatman brought before the Council a resolution urging the Government, in view of the national importance of the work done by members of the Institute, to see that opticians received special consideration at the hands of Military Tribunals. The war, of course, he said, demands great sacrifices, and opticians are prepared to make them, but if they are compelled to close their businesses many thousands of people will be deprived of assistance that has now become an absolute necessity. Mr. Dadd said the only point the Tribunals would be likely to consider was that of the national importance of the optical industry. In his own district there are many factories the majority of which are engaged on munition-work. The workpeople at these factories need the attention of opticians. There is also a great deal of work to be done for men joining the ranks, many of whom ought to be fitted with glasses before entering the Army. The resolution was adopted.

Manchester Assistants.—The adjourned annual meeting of the Manchester Chemists' Assistants' Association was held on May 11, Mr. D. N. Fullerton (President) in the chair. The election of officers was concluded as follows: *Vice-President*, Mr. A. Kelly; *Treasurer*, Mr. G. S. T. Livesey; *Hon. Secretary*, Mr. Walter Jones; *Auditor*, Mr. J. E. R. Holman; *Committee*, Messrs. Abrams, P. Chadwick, James Grier, B. G. Hough, W. Kirby, F. P. Swinn, H. C. Thomas, and F. H. Yates. Mr. Grier distributed the prizes to the successful candidates in the recent prize competition. The awards were as follows: First prize, books to the value of one guinea, presented by the Manchester Pharmaceutical Association, to Miss Edith Rose, Urnston; second prize, copy of Remington's "Pharmacy," presented by Burroughs Wellcome & Co., to Mr. Herbert Sawbridge, Blackley; third prize, book value half a guinea, presented by the Committee of the Chemists' Assistants' Association, to Mr. T. H. Elwood.

Nottinghamshire.—The annual meeting of the Nottinghamshire County Pharmacists' Association was held at Mansfield on May 16. The Secretary's report was adopted, as was also the Treasurer's report, which showed a balance in hand of 14l. 8s. 9d. The sum of two guineas was voted to the Benevolent Fund. The following officers were appointed: *President*, Mr. Blankley, Arnold; *Vice-President*, Mr. Adams, Mansfield; *Secretary*, Mr. Bell, Mans-

field; *Treasurer*, Mr. Adams, Mansfield. Votes of thanks were given to the officers and a vote of sympathy with Mr. Bell, the Secretary, in his illness.

Salford.—At the annual meeting of the Salford Pharmacists' Association on May 11, all panel chemists of the district were invited to be present. Mr. J. W. Gill occupied the chair, and Mr. E. H. Simmons, of the Pharmaceutical Committee, gave a review of the work of that Committee during the past year. The chief point noted was the low average cost of prescriptions, which, however, has shown an increase this year. He also outlined the steps taken to obtain exemption of sufficient chemists from military service to maintain an efficient pharmaceutical service.

School of Pharmacy.—The Committee of the School of Pharmacy Past Students' Association met at 17 Bloomsbury Square, London, W.C., on May 19, when it was decided to suspend the activities of the Society for the period of the war, the present officers to remain in office until the next general meeting. The address of the Hon. Secretary, Mr. Harry Martin, is now 22-30 Graham Street, City Road, N.

West Bromwich.—A meeting of the West Bromwich Pharmaceutical Association was held on May 16, when Mr. A. W. Gerrard, Ph.C., read a paper on *Cotton: Its Manufacture into Cotton-wool*. The sources of cotton were referred to, and also the immensity of the cotton industry. The preparation of the raw cotton and the bleaching and sterilising processes were described. Over-drying makes cotton-wool brittle, as does also over-sterilisation. Unbleached bandages are much stronger than the bleached variety. Mr. Barnes, in proposing a vote of thanks, described how he prepared iodoform gauze according to instructions given by Mr. Gerrard at Wolverhampton in 1907. In reply, Mr. Gerrard confirmed the necessity referred to by the previous speaker of seeing that the ether is neutral in which the iodoform is dissolved. Mr. I. M. Withers was thanked for providing the meeting-room for the Association.

Personalities.

Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.

MR. WM. ARKLE, pharmacist, Lancaster, has been re-elected Vicar's Warden of Christ Church, Lancaster.

SECOND LIEUTENANT W. GILBERT SAUNDERS has been promoted to a lieutenancy in the 5th King's Liverpool Regiment.

A CERTIFICATE OF NATURALISATION has been granted to G. A. R. KON (Russian), chemist, 35 St. James's Place, London.

MR. W. H. GOODBRAND, of Durban, Natal, who came to England at the end of last year, is now in the motor-cyclist section of the R.F.C.

MR. ARTHUR BINGHAM WATSON, of the firm of Watson, Sons & Room, 12 Bouverie Street, London, E.C., has been appointed Clerk to the Society of Apothecaries of London.

LEADING SEAMAN P. G. CRACKNELL, of the Royal Naval Division, who served his apprenticeship with Donington & Sons, chemists, Spalding, has been awarded the D.S.M. for services in Gallipoli.

MR. H. R. CULLING, London representative of William Toogood, Ltd., has joined the 15th London Civil Service Rifles and been called up this week. He hopes to see all business friends after the war is over.

COMPANY SERGEANT-MAJOR CHARLES NAYLOR, the King's (Liverpool) Regiment, has been recommended for a commission. He is the son of Mr. L. Naylor, chemist and druggist, Bamber Bridge, near Preston.

It was Mr. William Bowden, chemist and druggist, Wimbledon, S.W., who spoke in the course of the discussion on trade interests at the annual meeting of the Pharmaceutical Society (*C. & D.*, May 20, p. 74).

MR. CHAS. L. HUSKING, broker and commission-merchant, 5 Platt Street, New York City, is about to pay a business visit to London. He will leave New York by the s.s. *St. Paul* on June 3, and will make his headquarters at the Hôtel Cecil during the week commencing June 11.

PRIVATE ROBERT JACKSON, who served his apprenticeship with Mr. F. J. Hatton, chemist and druggist, Appleby, has been fighting in France, and is mentioned in despatches, as after his two companions were killed he worked the machine-gun alone until wounded in the forehead and left eye.

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

42 Cannon Street, E.C., May 25, 6.30 p.m.

ALTHOUGH business has not shown any perceptible improvement this week, the tone is not quite so depressed, probably on account of the fact that export-permits are being more freely granted. There is, however, a continued easier feeling in certain so-called fine chemicals and synthetics, including cocaine, hexamine, methyl salicylate, salol, and vanillin. Phenacetin and formaldehyde are dearer, while barbitone and milk-sugar are firmer. Both citric and tartaric acids are cheaper. Sulphur is dearer. Menthol and mint oil are easier in view of large arrivals. Squill is still very scarce. Spanish anise, coriander, fennel and linseed are unchanged; cumin is dearer, while caraway and fenugreek are firm.

Higher	Firmer	Easier	Lower
Cumin-seed Formaldehyde Phenacetin Squill Sulphur	Barbitone Milk-sugar Soya oil Turpentine	Cocaine Gum acacia, Sudan (c.i.f.) Hexamine Methyl salicylate Paraldehyde Salicylates Salol Tartaric acid Vanillin	Canary-seed Citric acid Cloves Menthol Mint oil (Jap.) Palm oil Pepper Potash per mang. Thymol

The Drug-sales will be held next Thursday, June 1.

Cablegram.

NEW YORK, May 24.—Business in drugs is fair. Opium is steady at \$11.50 for druggists' quality. Menthol is firmer at \$3.5, and balsam Peru is lower at \$3.90. Mexican sarsaparilla is easier at 10½c. Copaiba balsam is lower at 68c., and cascara sagrada is steady at 7½c. Arnica-flowers are lower at 70c. per lb.

ACETANILIDE is offered at 9s. per lb. on spot for powdered. ACETYL-SALICYLIC ACID is unchanged at 47s. 6d. per lb. It is still difficult, however, to get more than small parcels from makers.

AMMONIA SULPHATE is quiet at 15l. 15s. per ton net naked at works in London for 25-per-cent. ammonia for prompt delivery. Hull prompt (24-per-cent.) is 16l. 10s., Liverpool is 16l. 15s., and Leith is 16l. 15s. to 16l. 17s. 6d. per ton, less 3½ per cent. in bags f.o.b.

ANISEED.—The quotation is unchanged at 55s. per cwt. for good Spanish.

ANISE OIL (STAR).—Spot sales of "Red Ship" brand have been made at 3s. 5½d. per lb., and for shipment to Marseilles at 3s. 6d. c.i.f.

BERGAMOT OIL is quiet at from 14s. 9d. to 15s. per lb. on the spot for 37 to 38 per cent. esters.

BLEACHING-POWDER.—Small parcels can be had at 32l. per ton ex wharf.

BROMIDES.—A few dealers who have small stocks appear to have taken fright and are endeavouring to unload their stocks by forcing sales. There are, however, no large stocks of bromides, and when these weak holders have been shaken out, it is not unreasonable to expect that the position will improve. Meanwhile the principal English sellers appear to be adhering to their former prices. Sales of potassium have been made at 17s. 6d., sodium at 15s., and ammonium at 18s. 6d. per lb.

CAMPOR MONOBROM.—A limited quantity is offered on the spot at 23s. 6d. per lb.

CAMPOR OIL.—Good white light Japanese is offered at 75s. per cwt. on the spot.

CANARY-SEED has a drooping tendency, and quotations are lower at 73s. to 75s. per quarter for fair to good Morocco.

CARAWAY-SEED is very firm; 96s. per cwt. has been paid for fair Dutch on the spot, and 100s. is now asked.

CASCARA SAGRADA.—The freight rates payable remain an obstacle to business, and there is an absence of "c.i.f." offers from the Pacific Coast. On the spot 1913 bark is offered in limited quantity at 65s. and 1915 bark at 62s. 6d. per cwt.

CINCHONA.—The auction to be held at Amsterdam on June 8 will consist of 1,259 packages, weighing 70,722 kilos. The first-hand stock at Amsterdam on June 18 consisted of 9,804 packages Government and 36,282 packages private bark, including the first-hand quantities to be offered on June 7 and 8 next.

CITRATE OF LIME.—During the period December 1, 1914, to September 30, 1915, the exports (kilos.) of the Camera Agrumaria were as follows:

To	Dec. 1, 1913, to Sept. 30, 1914	Dec. 1, 1914, to Sept. 30, 1915
U.S.A.	1,827,971	2,780,658
France	841,001	1,101,324
U.K.	972,355	1,412,357
Germany	661,627	207,091
Austria	249,195	171,960
Taken by Italy... ..	1,217,066	1,355,616
	5,769,215	7,029,052

CITRIC ACID is lower at 3s. 9d. per lb. on the spot.

CLOVE OIL.—There is a scarcity of oil for prompt delivery from makers, the value being 5s. 8d. per lb. Cloves are lower, but the position of oil has so far not been affected owing to the increased cost of distillation.

CLOVES are lower, fair Zanzibar offering on the spot at 6½d.; to arrive, sellers of April-June shipment quote 6½d. c.i.f., and the sales for delivery include June-August at 6½d.

COCAINE.—The position from the makers' point of view is unchanged, but at the same time there is an inclination on the part of dealers to unload their stocks, which accounts for the recent decline. Hydrochloride can be had at from 23s. 6d. to 24s. per oz., less 5 per cent.

COCA-LEAVES.—The auction to be held at Amsterdam on June 8 will consist of 277 packages, weighing 14,157 kilos., Java leaf.

COD-LIVER OIL.—Our Bergen correspondent writes on May 15 that the daily reports from the Finmarken cod-fishing apparently denote an improvement in fishing, but the total results as published prove that during the week ending May 13 the catch was again rather insignificant:

	1913	1914	1915	1916
Catch of cod (millions) ...	59.2	68.8	57	43.9
Yield of c.l.o. (hect.) ...	37,000	49,300	46,600	52,200
Cod-liver for "raw" oils (hect.)	7,300	9,300	7,700	4,800

This week better results are hoped for. The market is quiet, but firm, at the unchanged quotation of 710s. per barrel c.i.f. for prime non-congealing. Our Bergen correspondent writes again on May 22 that last week's catch of cod at Finmarken was fairly good, and is not far from double the quantity for this district. To-day's report give the following details:

	1913	1914	1915	1916
Catch of cod (millions) ...	62	68.6	58.4	46.2
Yield of c.l.o. (hect.) ...	38,500	51,500	47,500	51,500
Yield of liver for "raw" oils (hect.)	8,100	9,400	7,800	4,900

The market is calm at the unchanged and nominal quotation of 710s. per barrel c.i.f. for prime non-congealing oil.

CORIANDEER-SEED is steady, with sales of common Morocco at 17s. per cwt., ordinary dull sound at 19s. 6d., and good bright at 22s. per cwt.

CUMIN-SEED is dearer on the spot at 110s. per cwt. for ordinary Morocco. New crop is offering at 82s. 6d. per cwt. c.i.f. terms for June-July shipment.

FENNEL-SEED is quiet at 32s. 6d. per cwt. for fair East Indian.

FENUGREEK-SEED is firm at 15s. per cwt., and there is evidently a small crop in Morocco, as the quotation is 14s. per cwt. c.i.f. terms.

FORMALDEHYDE.—Shipments are now coming forward in larger quantities and more frequently, so that there is not much justification for the higher spot price which is now asked.

FORMIC ACID.—Limited quantities of from 70 to 80 per cent. are obtainable from allied countries, but 90 per cent. is very scarce; price is a matter of negotiation.

GENTIAN.—Business was recently done at about 90s. per cwt. on the spot, but it is doubtful if further supplies are available at this figure.

GUINEA-GRAINS appear to be badly wanted, but practically unobtainable.

GUM ACACIA.—Kordofan sorts on the spot offer at

67s. 6d., and May-June shipment at 60s. c.i.f., the latter being easier.

HONEY.—The prospects for the Californian crop are considered favourable, but even should it prove to be good, a return to low prices is not anticipated as the American demand is active.

LIME OIL.—Fair West Indian distilled is offered at 8s. 6d. per lb. net, and hand-pressed at 9s., less 2½ per cent. discount.

LINSEED is steady at 85s. to 90s. per quarter for fine qualities.

LIQUORICE-ROOT.—About 300 packages have arrived from Spain; the value of common natural remains about 55s. per cwt. on the spot.

MENTHOL.—With large arrivals spot prices are still tending downwards, and it would be possible to buy Kobayashi-Suzuki at 12s. to 12s. 3d. per lb. on the spot.

The exports from Japan during January were 42,597 kin, valued at 265,791 yen, against 27,650 kin in January 1915 and 37,062 kin in 1914. The destinations were as follows:

To	1914	1915	1916
British India	1,100	2,616	2,325
Great Britain	11,488	6,313	24,637
France	2,475	8,339	7,232
Germany	10,036	—	—
United States	9,682	9,766	7,797
Other countries	2,281	616	506
Kin	37,062	27,650	42,597
Yen	283,158	145,229	265,791

METHYL SALICYLATE tending easier at 13s. per lb.

MILK-SUGAR is firmer at from 130s. to 135s. per cwt. on the spot for good Dutch.

MORPHINE is steady at from 13s. 2d. to 13s. 3d. per oz. net for hydrochloride.

NAPHTHALINE.—A fair export business has been done, including balls at 54s. 6d., with 60s. wanted in some quarters.

OILS (FIXED).—*Linseed* is unaltered at 35s. 3d. in pipes and 36s. 3d. in barrels on the spot; May, 35s. 3d. *Cottonseed* is quiet at 45s. 3d. for crude in pipes, 49s. 6d. for refined in pipes, and from 54s. to 55s. for sweet refined in barrels—all on spot. Ceylon *Coconut* is dull at 59s. 6d. in hogsheads and 57s. 6d. in pipes, both on spot; Cochin is 59s. 6d. to 61s. 6d. on spot, and London pressed for prompt and near delivery is 47s. 6d., and forward 47s. Ordinary brown crude naked *Rape* is 49s. on spot; British refined in barrels is 52s. to 53s.; Japan in cases is 39s. 6d. c.i.f. afloat. *Soya* oil is firmer at 38s. 3d. for Manchurian in cases afloat, and 38s. 6d. for May-June; Hull (spot) extracted is 41s., and crushed 42s. *Lagos Palm* is 44s. spot, and in Liverpool 37s. 3d. to 37s. 6d. is quoted nominally.

OLIVE OIL.—H.M. Consul at Malaga reports that the prospects for all crops in the provinces of Eastern Andalusia are excellent owing to the recent unusual rainfall, the only exception being, perhaps, root crops in the lowlands where the humidity may have been excessive. The olive crop in Granada, Jaen, and Almeria is reported to be good, and in Malaga very good. The production of olive oil in the four provinces mentioned for 1915-16 was 810,170 metric cwt.

OPUM is steady but quiet at from 34s. to 35s. for good druggists' quality.

OXALIC ACID.—We understand that for some time past the War Trade Department has declined to issue export permits to neutral or allied destinations.

PEPPER is cheaper, with fair Singapore black offering at 7½d., Tellicherry 8½d., and Lampong at 8½d., all spot; fair Singapore *white* is now 9½d., Muntok 10½d., and Penang 9½d. per lb.; arrival prices are also lower.

PHENACETIN shows a further improvement in values owing to the continued demand and scarcity; sales have been made up to 75s. to 80s. per lb. The production is, however, being accelerated, and in all probability prices have reached their highest; in fact, prices should be cheaper in a month or so.

PHENAZONE is steady, the current spot value being 70s. per lb.

POTASH IODIDE.—The exports from Japan during February 1916 were 21,850 kin, valued at 158,436 yen. During the two months (January, February) they were as follows:

	1914	1915	1916
Kin	12,405	34,318	28,447
Yen	82,310	250,395	211,595

The February exports of *crude iodine* were nil, and for the two months (January, February) the exports were 150 kin, against 1,185 kin in 1915 and 6,818 kin in 1914.

POTASH PERMANGANATE is cheaper, with sales down to 7s. 3d. per lb. on the spot, but from 7s. 6d. to 7s. 9d. are now more current quotations.

POTASHES are unchanged at from 195s. to 200s. per cwt. for First Government brand Montreal.

QUININE is still a featureless market in second-hands, the quotation for sulphate being 3s. 2d. per oz.

SALICYLATES.—For guaranteed B.P. quality of *Salicylic acid* a fair current value is from 18s. to 19s., but parcels which are not B.P. (although they be described as such) are obtainable at less. The prices of *Soda* are practically the same as those for acid.

SALOL is offered at 45s. per lb. to come forward, which figure has been paid, and at 45s. to 46s. for prompt.

SANDALWOOD OIL continues scarce and dear, the value of best English drawn from E.I. wood being from 35s. to 36s. per lb.

SASSAFRAS OIL.—The value of genuine American is about 3s. 6d. per lb. net on the spot.

SPERMACET.—American refined is quoted at 9d. per lb.

SQUILL is very scarce, with holders asking 90s. to 100s. per cwt. on the spot.

SULPHUR is rather dearer at from 13l. 10s. to 14l. per ton for Sicilian flowers and 13l. 10s. for roll, ex wharf.

TARTARIC ACID is on the easier side at from 3s. 9d. to 3s. 10d. per lb. Export permits to Russia have been more fully granted.

THYMOL.—There are sellers of good quality ex ajowan seed at 32s. 6d., and this price can be shaded for large quantities.

TURPENTINE.—American closes at 42s. 4½d. per cwt. on the spot, and at 42s. 6d. for June-August.

VANILLIN.—The easier feeling is still apparent, dealers offering at from 37s. to 39s. per lb.

WAX (JAPANESE).—The spot price of good squares is 72s. per cwt.

WITCH-HAZEL EXT.—American is offered at 3s. 4d. per English gallon in bond

Arrivals of Chemicals, Drugs, etc.

THE following is a selection of arrivals during the period May 17 to 23 inclusive, in the English ports named. Goods in transit are not included. The figures refer to the packages—e.g., cases, bags, barrels, boxes, kegs, etc. The weights, when known, are specified:—

To London.	Drugs and chemicals (U.S.A.)	Perfumed water (Fr.)
Acetic ac. (N.Y.) 277 brls., (R'dam) 8 blns.	(Fr.) 18 cs. 50 cks., (St. John, N.B.) 20 cs.	(Fr.) 90 cs. 12 cbsys.
Acetic anhyd. 10 blns.	Ergot (Sp.) 15 Essent. oils (H. Kong) 100 cs., (Sp.) 12 cs., (A'dria) 12 cs., (Sicily) 94 pkgs., (Java) 8 dms., (N.Y.) 102 cs.	Pot. chlor. 100 cs. Pot. iodide 30 cs. Potash (Java) 30 dms.
Agar-agar 150	Gentian 20	Quinine (Amst.) 154 cs.
Albumen 15	Ginger (Jap.) 70, (E.I.) 443	Rape oil 1,500 cs.
Almond oil (Sp.) 10 cs.	Glucose 1,801	Roots, barks, etc. (Sp.) 175, (N.Y.) 24 bls.
Anise oil, star 80	Glycothymoline 303	Sandalwood 61
Antim. cr. 250	Gum, grass-tree 88	Scammony root (N.Y.) 91
Antim. ore 299	Gums, undescribed (Lisbon) 47	Senna (P. Said) 90
Arachis oil 830	Honey (N.Y.) 23	Soda hypo. (N.Y.) 1,344 kgs.
Argol 365	Ipecac. (E.I.) 15	Soda pruss. (Amst.) 20 cks.
Arsenic 132	Lead, acetate 66 brls. 200 kgs.	Soda siliente 6
Barytes (It.) 1,054, (Sp.) 4,000	Lemongr. oil 9 dms.	Sodium metal 100 cs.
Bergamot oil 11 cs.	Lemon-juice 35 pps.	Soya oil 3,105 cs.
Camphor oil 200	Lemon oil (Sic.) 150 ½-cs. (see also Bss. oils)	Sticklac 189
Camphor, ref. 264	Liquorice-ju. 75	Sulphur 24,362
Canary-seed 1,261	Liquorice-root 297	Tartar (Sp.) 737, (Fr.) 131
Caraway-seed 220	Listeria (N.Y.) 175 cs.	Tartaric ac. (It.) 96 cs.
Cardamoms 23	Logwood 20 t.	Turnerie 218
Casein (Fr.) 200	Marotti oil 14 pps.	Turpentine 1,851
Cassia 2,700	Menthol 120 cs.	Vanilla 3 cs.
Chem. prod. (Fr.) 279	Menthol and oil 431 cs.	Verdigris (Fr.) 10 cks.
(U.S.A.) 32	Milk-powder 225 cs.	Wax, bees' (R'dam) 70, (Lisbon) 211, (It.) 156, (Beira) 267, (Mor.) 6
Chemicals, medicines, etc. (N.Y.) 744 pkgs.	Milk-sugar (Amst.) 100, (N.Y.) 10	
Chillies (Jap.) 410	Nutmegs 52	
Cinchona (Lisbon) 86, (Amst.) 51, (E.I.) 150	Nux vom. 400	
Cinnamon 417	Olive oil (Fr.) 11 cks. 18 cs., (It.) 63 brls. 89 cs., (Sp.) 338 brls. 10 cs.	
Citrate lime (Sic.) 88 cks.	Orange oil (Sic.) 30 cs.	
Citric acid (Sic.) 201 cks.	Orchella-weed 676	
Citronella oil (Java) 32 dms.	Paraformaldehyde 22	
Cochineal 7	Pepper 3,561	
Cocoon oil 251 cks. 181 pps. 2,988 cs.	Petrolatum 195	
Cod-liver oil (R'dam) 100 cs.		
Copra 13,386		
Cream of tartar (Fr.) 40 cks., (It.) 50 brls. 13 cs., (Sp.) 8		
Cumin-seed 14		
Cuttle-fish b. 25		

Cream tartar (Sp.) 12 cks.	Perfumery, etc. (Fr.) 54 cs.	Calcium carb. 9,400 dms.
Dill-seed (E.I.) 320	Quebracho ext. 20,900	Cascara sag. (N.Y.) 228
Drugs, etc. (Havre) 125 cs., (N.Y.) 178 pkgs. 172 cs.	Rape-seed 10,297	Chem. prod. (Norw.) 675 cs.
Ginger (W.C. Af.) 1,000	Soda nitrate 89,883	Cod-liver oil (Norw.) 100
Glucose 307	Spermacti 100	Essences (Bergen) cbsys. 148
Indigo (W.C. Af.) 16	Tart. ac. (It.) 40 brls.	Florida-water 50
Niger-seed 270	Vanilla 3 cs.	Formaldehyde 140 brls.
Palm-kern. 42,922	Wax, bees' (Chile) 6	Formic ac. 240 blns.
bgs. 741 t.	Wax, carnauba 19	
Palm oil 1,841 cks.		
Pepper 19	To Hull.	
	Acetic ac. (N.Y.) 190 brls.	

To Bristol.—Calo. carbide 949 dms.; cottonseed (Alex.) 1,300 t.; magnesite 301 bgs.; turpentine 1,250 brls. To Fockestone.—Drugs (Fr.) 51 pkgs.; perfumery (Fr.) 27 pkgs. To Grimsby.—Betanaphthol (Fr.) 8 cks.; chrome acetate (Fr.) 7 cks.; dimethyl sulphate (Fr.) 4 dms. To Manchester.—Ammon. nit. 316 cks.; soda caustic (U.S.A.) 500 dms.; soda nitrite 132 cks.; stearic acid 112 pkgs.; tartar emetic (Fr.) 8 cks.

Continental Drug and Chemical Markets.

The following notes chiefly refer to the Hamburg and Berlin markets under date up to May 3:

AGAR-AGAR.—First strip is now m.18 to m.18.25 per kilo.

AMYL PREPS.—The prices which were advanced on March 1 have again been advanced by m.50 per 100 kilos. The prices are: m.475 per 100 kilos. for technically pure amyl acetate; m.505 for c.p.; m.540 for amyl alcohol 128 to 130; and m.570 for amyl alcohol 130 to 132.

ANILINE DYES.—The United German Dye-factories announced on April 7 that they have again been obliged to advance their prices on account of the considerable advance in raw materials.

BALSAMS.—For natural *Copaiba* m.4.80 per kilo. is asked. *Peru* is scarce, and at from m.46 to m.48 per kilo.

BISMUTH PREPS.—The Convention has advanced the prices; subnitrate is m.33 per kilo., for subgallate m.26.

BORIC ACID has been sold at from m.800 to m.820 per 100 kilos.

BROMINE PREPS. are offered at prices under the Convention rates. They have been purchased in large quantities of late, partly for speculation.

CALCIUM CARB.—Makers have suddenly advanced the prices considerably. Second-hand is still obtainable at from m.35 to m.40 per 100 kilos.

CAMPOR (REFINED).—Only very small quantities of natural can be dealt in at from m.9.50 to m.10 per kilo. Synthetic camphor is not commanded, but the factories cannot supply owing to lack of raw material. Second-hand synthetic camphor is offered in small lots at from m.18 to m.19.

CASSIA-FLOWERS are scarce and dearer at from m.440 to m.450.

CITRIC ACID is firm; lead-free crystals are quoted m.16 per kilo.

LEAVIN (WHITE AND YELLOW).—Makers have quite cleared their stocks, and the "Trochokartoffel Verwertungsgesellschaft" in Berlin is unable to give further supplies of raw material to the factories. For the small quantities occasionally offered from m.138 to m.140 is asked.

ELEM remains active. First quality is m.410 and over.

FENNEL.—Levant is getting scarce, and prices are advancing. Natural is m.155 to m.160 per 100 kilos. German Kamfenchel is m.230 to m.250, and Strohfenchel m.200 to m.210, according to quality.

GINGER.—Bengal has failed completely in the German market. African is offered and has been bought in large quantities at from m.190 to m.200. The demand for Cochin is also active at the following rates: From m.300 to m.310 for B; from m.290 to m.295 per 100 kilos. for C. Japanese is from m.260 to m.265.

GLYCERIN.—The market price of double distilled 28° is from m.350 to m.380 per 100 kilos.

GUINEA GRAINS.—The nominal value is m.4 per kilo.

QUICKSILVER AND MERCURIALS.—Though the demand has slightly fallen off, the quicksilver-market remains very firm. The situation may change any moment when further quantities can be imported from Austria. Meanwhile, mercurials have again advanced by about 10 per cent. Corrosive sublimate is from m.880 to m.900; calomel from m.1,000 to m.1,020 per 100 kilos.

SACCHARIN.—Owing to the greatly increased use of saccharin in Germany, the Chemische Fabrik von Heyden has now been allowed to manufacture in addition to Fahlberg, List & Co. In addition to their German factory, Von Heyden have a small factory in Nidau, in Switzerland, where saccharin is manufactured on behalf of foreign customers.



Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

British Pharmaceutical Conference.

SIR,—At the last meeting of the Executive Committee of the British Pharmaceutical Conference it was provisionally decided to hold the annual general meeting on July 19, but, in order to avoid clashing with other fixtures, it has been decided to alter the date to Wednesday, July 12. The meeting will be held at 11 A.M. in the Lecture-theatre at 17 Bloomsbury Square, W.C., by kind permission of the Council of the Pharmaceutical Society. The presidential address will be delivered by Dr. David Hooper, F.I.C., late Quinologist to the Government of Madras, and Curator of the Indian Museum at Calcutta, and the Executive hope that there will be a good gathering of members and their friends. With the exception of a luncheon following the meeting, the usual social functions connected with the annual meeting will be omitted, and the meeting will confine its scope only to the delivery of the presidential address and to general business; but the Executive warmly invite members to contribute scientific papers, which will be taken as read, but will be published in full in the "Year-book of Pharmacy." Papers should be sent addressed to the undersigned not less than seven days before the date of the annual meeting. Yours faithfully,

R. R. BENNETT,
Hon. Secretary.

22-30 Graham Street, City Road, N.

The Council Election.

SIR,—Allow me to return my sincere thanks to the 2,660 members of the Pharmaceutical Society who voted for me at the recent Council election, and to assure them that all their interests, material and professional, will, in the future as in the past, have my most careful and constant consideration. Yours faithfully,

GLASGOW. WILLIAM L. CURRIE.

SIR,—We should like to express, through your courtesy, our sincere thanks to all the pharmacists scattered throughout the country for the support they gave us at the recent Pharmaceutical Council election, and all the labour they have unselfishly undertaken to secure the successful result. Also for the many cards of congratulation which are far beyond our power to answer individually. We hope to merit the confidence shown.—Yours faithfully,

J. W. DEAKIN.
HERBERT SKINNER.

May 19.

SIR,—I should be glad to be allowed sincerely to thank those fellow-members of the Society who indicated their willingness to go with me in my demand for electoral reform. I am greatly encouraged by the large amount of support I received, and take this to be a message to continue and extend my efforts. Given better health, they may rely upon my again making my voice heard in the land. Also I should like to express my appreciation of the votes of support by Local Associations, and the personal help and encouragement given by unknown friends near and far. The rôle of the reformer invites so many rebuffs that one the more welcomes over seventeen hundred tokens of good will. Yours faithfully,

YORK. FRANK G. HINES.

SIR,—The Council election has passed off very much as had been anticipated, save in the fact that few people would have spotted the Treasurer of the Society as the runner-up. The result, in so far as Messrs. Deakin and Skinner are concerned, is certainly a triumph for advertisement. Apart from the adventitious aid furnished by circulars and log-rolling generally, I question if they would both have been elected, though one of them in all probability would have got a seat on his merits. The rejection of Mr. Gibson is one of those little tragedies that come so unexpectedly that we are usually ill-prepared to meet them. No one expected him to fall. Everyone will be exceedingly sorry if the Society is deprived of the best Treasurer it has had for many years. I think that on many grounds it would be well were the Council to co-opt Mr. Gibson in place of Mr. T. A. White, and to reinstate him as Treasurer. If that be possible, I hope that Mr. Gibson will not allow any feeling of disappointment—in the circumstances quite natural—to prevent his coming back

to the Council. If territorial representation stands for anything, Mr. Gibson would most certainly be the ideal man, but apart from that the Society can ill afford to lose his services.

Yours truly,

M. P. S. (226/55.)

Dispensing Difficulties and Notes.

Readers are advised to consult "The Art of Dispensing" in regard to compounding difficulties. We welcome fresh problems and invite the co-operation and correspondence of dispensers in their elucidation.

An Unexpected Combination.

SIR,—The following prescription, on arriving at the dispensing-counter, was the cause of much head-shaking:

Sodii salicylat.,	...	...	aa.	5ij.
Sodii bicarb.	...	...	...	5ij.
Tr. ferri perchlor.	...	...	...	5ij.
Infus. quassiae ad	...	...	...	5vj.—M.

It was trebly incompatible: the ferric chloride of the tincture would react with the salicylate and form the strongly coloured ferric salicylate; the free acid of the tincture would liberate the sparingly soluble salicylic acid; and the sodium bicarbonate would decompose the iron salt and produce ferric hydroxide. What was to be done? First thoughts suggested an appeal to the prescriber to order the iron separately; second thoughts to dispense as written, and send out with a "Shake" attached. Though it would not be an inviting mixture, it would be a perfectly safe one. But the unexpected happened. In a portion of the infusion the salicylate was dissolved and the iron tincture added, with the production of the sparingly soluble ferric salicylate and free salicylic acid. The sodium bicarbonate was then added. Brisk effervescence followed, as was expected, but, what was not expected, a perfectly clear deep-brown coloured mixture, quite free from precipitate, was the final result. The combination is ideal. It permits the exhibition of iron and alkali salicylates in a non-astringent, non-acid form. Ferric salicylate is evidently a complex acid, analogous to ferric tartrate and ferric citrate, and, like them, forms with alkalis freely water-soluble salts analogous to the official ferri et ammon. cit. and ferri et potass. tart. Hence physiological compatibility from a chemically incompatible combination.—Yours truly,

W. (188/23.)

Legal Queries.

The majority of difficulties in regard to trade law are explained in the legal section of "The Chemist and Druggist Diary," 1916, beginning on page 341.

Zeta (226/45).—The tax on aerated waters does not apply to lemonade-powders composed of vegetable acid, sugar, and flavouring, such preparations being specifically exempted by the Act.

Military (226/72).—An Irish apprentice twenty years of age who is apprenticed to a chemist and druggist in England is liable for military service under the Bill now before Parliament, because he is a male British subject ordinarily resident in Great Britain who has attained the age of eighteen years.

Bucolic Chemist (228/12).—A junior assistant who is not registered under the Pharmacy Act, 1868, may not sell in a market place from a hand-cart any veterinary preparation whatsoever which contains a scheduled poison, but it will not be illegal for him to sell any other medicinal preparation which is free from poison, provided the drugs mentioned in the *C. & D.*, May 20, p. 49, are not included, or anything else which might be held to be prejudicial to the public. Stamped medicines may not be sold except in licensed premises.

Novice (227/39).—The effect of the Military Service Act on the unattested married man who is a registered chemist and druggist is to bring him into the Army Reserve. From this he is not likely to be exempted unless the local Pharmaceutical Committee and the Insurance Committee recommend it. He should, therefore, communicate in the first instance with the Secretary of the local Pharmaceutical Committee, but if he is not a registered chemist and druggist he must make out the best possible case that he can before the local Tribunal.

C. K. (242/100) sent an incubator to a customer by carrier. The incubator was delivered in a damaged condition, but the carriers disclaim responsibility upon the ground that they carry incubators only at the risk of the

owner. Are the carriers under any liability? [If the carriers accepted the incubator for conveyance "at owner's risk" they are liable in respect of the damage only if it can be proved to have resulted from their wilful misconduct or negligence. On the other hand, if they did not limit their liability when accepting the article they are *prima facie* liable.]

W. (226/71).—Our statement that a little glycerin goes a long way in skin-preparations is in reference to such cases as is mentioned on page 2 of "Pharmaceutical Formulas." "In dry atmospheres the skin is prone to exfoliation, thus losing its peach-like bloom. This is prevented by the application after washing of 1-per-cent. aqueous solution of glycerin, and there is a speciality consisting essentially of this for which many a society dame pays a fancy figure." We do not consider it advisable to apply to the Ministry of Munitions for permission to allow free sale of 10-per-cent. solutions of glycerin for toilet-purposes, but we understand that the War Trade Department permits the exportation of toilet-preparations containing not more than 1 per cent. of glycerin.

Miscellaneous Inquiries.

Bang (31/40).—(1) MEDICAL TREATMENT.—A swelling in the groin, such as you describe, which disappears on lying down, is a hernia (or rupture), and requires a truss or an operation for radical cure. From the history of a previous gonorrhoea and orchitis one would be inclined to think an inflammation of the spermatic cord or inguinal glands more likely, but the swelling caused by this would not disappear on lying down. Any doctor should diagnose the condition immediately on examination. It is useless advising treatment until an exact diagnosis is made. (2) BLEACHING-LIQUID with soda.—The model for this may be the official liq. sodæ chlorinatæ, in which chlorinated lime 16 oz., sodium carbonate 24 oz., water 1 gal. is used. This, you will note, is considerably stronger than the formula which you have been using. (3) COMPOSITION ESSENCE:

Composition powder	...	...	5xvj.
Proof spirit	...	...	5xx.
Glycerin	...	...	5v.
Water	...	...	5x.

Macerate for four days and press out the liquor. Mix the marc with a pint of water, and again press. Mix the liquids and reserve. Boil the marc in half a gallon of water, containing potass. carb. 5ij., for ten minutes, and strain 2 pints; when cold add this decoction to the reserve with 3 oz. of rectified spirit and water to 80 oz. Filter.

(4) COMPOSITION POWDER used in the above is made as follows:

Powdered bayberry root-bark	...	12 oz.
Powdered ginger	...	6 oz.
Powdered capsicum	...	1 oz.
Powdered cloves	...	1 oz.

Mix.

Kent (205/72) asks why a cream containing stearic acid, glycerin, tragacanth, borax, and potassium carbonate becomes mouldy. [We note that the preparation contains only 10 oz. of glycerin in 110 oz. of the finished product and 1 oz. of tragacanth. This is quite insufficient glycerin to prevent the formation of mould, the tragacanth being the chief fertilising agent, though it is to be expected that all the solid ingredients will contain the mould-spores, and these are best destroyed by boiling the liquid for at least ten minutes. It may also be noted that in such a preparation the conditions are favourable for the oxidation of the stearic acid.]

Anchor (204/61).—(1) MANUFACTURE OF ANILINE DYES, ETC.—For list of books see *C. & D.*, July 3, 1915, p. 64. It should, however, be understood that there is no book which covers the whole field of the manufacture of aniline dyes, but a work such as Schultze and Julius's "Systematic Survey of the Organic Colouring-matters" (Macmillan, 21s.) is a useful beginning to specialised study on this subject. References are there given to the various patents which were taken out for different dyes, and it is from a careful study of the published data that a plan of manufacture may be drawn up. There are many hundreds of patents, most of them now public property, from which information is obtained, and in dye-works a special department is organised in connection with the research department to look after this matter. In regard to the manufacture of synthetic medicaments, the only systematic published information on the subject, so far as we are aware, is that

given in the *C. & D.* for the second half of 1914, the two volumes for 1915, and in *The Chemist and Druggist Diary*, 1916. In this case also references and abstracts of patents are given where fuller information can be sought. (2) PRODUCTION OF ACETIC ANHYDRIDE.—The method of preparing acetyl oxide and acetyl chloride is given in such works as Thorpe's "Dictionary of Chemistry." A newer method of making acetyl chloride is that described in Wohl's patent 14032/02, but the older method of distilling glacial acetic acid with phosphorus trichloride is much used.

W. B. (213/63).—SHAMPOO-POWDER FOR DRY USE.—The formula you send is a satisfactory one. Rice-flour is powdered rice, but as rice contains 79 per cent. of starch and 10 per cent. of moisture there is but little difference between it and rice-starch for many purposes. The following is a tabulation of recipes for shampoo-powder for dry use which have been printed in *THE CHEMIST AND DRUGGIST*:

Borax	...	2 oz.	7 oz.	4 oz.	—	—	4 oz.
Magnesia	...	—	—	—	10 oz.	—	—
Oatmeal	...	25 oz.	—	—	—	—	—
Orris-root	...	2 oz.	7 oz.	1 oz.	—	1 oz.	—
Rice flour	...	30 oz.	—	16 oz.	—	—	4 oz.
Rice starch	...	—	—	—	—	3 oz.	—
Sodium bicarbonate	...	—	1 oz.	—	—	—	—
Starch	...	—	—	—	10 oz.	—	—
Sulphur	...	5 oz.	—	—	—	—	—
Wood flour	...	2 oz.	—	—	—	—	—

The ingredients require to be in powder, and well dried before mixing. As a perfume rose-geranium oil and lavender oil are chiefly favoured for these powders. Put up in packets of 40 gr. to 3 dr. The directions for use require the powder to be distributed in the hair—some say overnight—and then brushed out thoroughly.

S. G. M. (178/72).—SILVERING MIRRORS.—The following is the modern process of silvering glass in making mirrors: Two solutions are prepared—a silvering-liquid (1) and a reducing-liquid (2). No. 1 is made by dissolving silver nitrate 30 grams in distilled water 240 grams, and treating with ammonia until the precipitate at first formed is redissolved, then filtering bright and making up to 480 c.c. with water. No. 2 solution is obtained by dissolving potassium sodium tartrate 0.75 gram in water 300 grams, and boiling. Next add silver nitrate 0.166 gram, and boil for from ten to fifteen minutes until grey. After filtration, make up to 480 c.c. with water. For use, 30 c.c. of each solution is mixed, diluted with 120 c.c. of water, and poured over the surface of the glass to be silvered. In about an hour the whole of the silver will be deposited, the glass being then rinsed with water, set up on edge to dry, and finally backed with a protective coating of asphalt-varnish. The glass to be silvered must be chemically clean before the solution is poured upon it.

G. H. D. (204/11).—TWITCHING OF THE EYELIDS is a symptom of neurasthenia, which may be the result of over-work or of eye-strain; eye-strain may be the result of an error of refraction, in which case the remedy is suitable glasses. Persistent drooping of the eyelids may, on the other hand, be of serious omen, as it is one of the symptoms of "myasthenia gravis," a disease which requires all the resources of an experienced physician. The case is obviously one requiring expert advice.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," May 15, 1866.

Exhibition of Objects Relating to Pharmacy.

It has been resolved to hold an Exhibition of Objects relating to Pharmacy, or having a special interest for members of the drug-trade. The proposal originated with the Nottingham Local Committee of the British Pharmaceutical Conference, and when laid before a meeting of the Executive Committee, held at 17 Bloomsbury Square, London, it was cordially adopted. The British Pharmaceutical Conference will meet at Nottingham on Tuesday, August 21, 1866, being the time of the meeting of the British Association for the Advancement of Science. Professor Bentley, F.L.S., etc., is the President of the Conference this year. Its proceedings usually extend over portions of three days, consisting in the reading and discussion of papers containing the results of the investigations of professional subjects. From experience of the two Annual Meetings that have been held, in Bath and Birmingham respectively, in 1864 and 1865, it is confidently anticipated that a large number of chemists will assemble from most parts of the country

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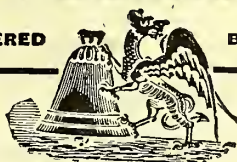
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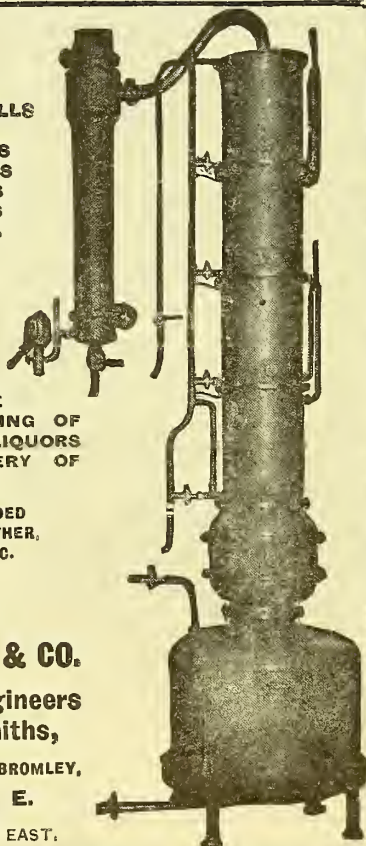
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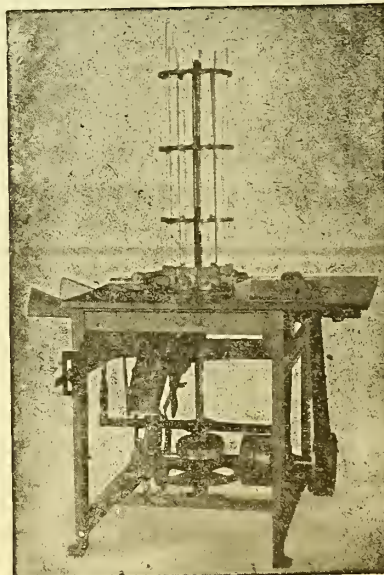
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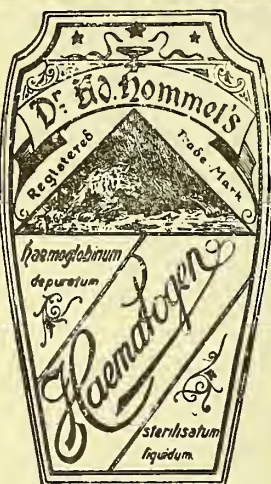
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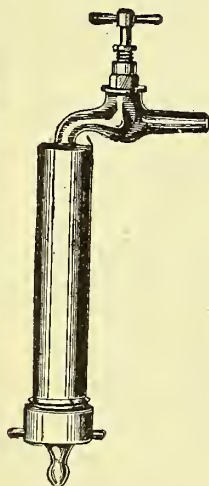
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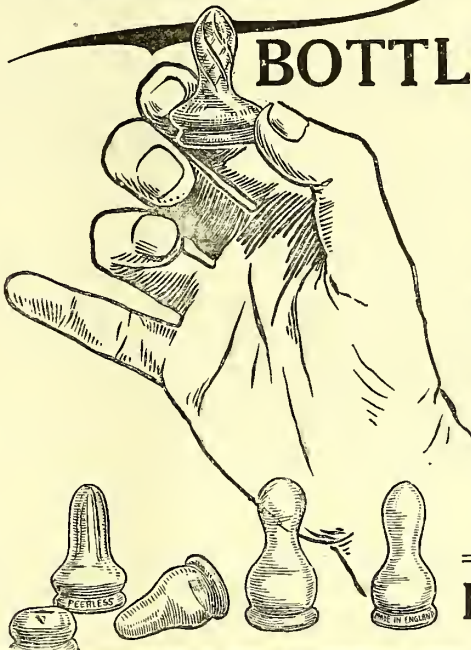
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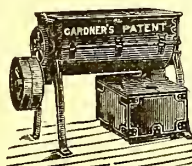
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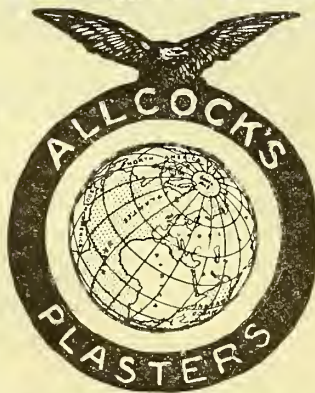
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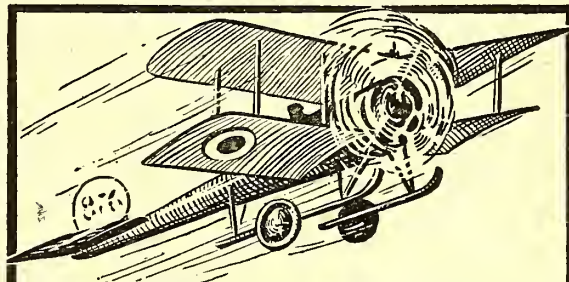
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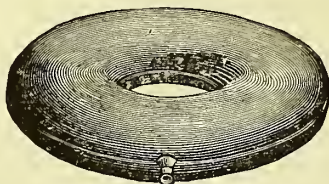


Fig. 1194.

Fig. 1194.—The “**EMPIRE**,” red India-rubber Air Cushion—

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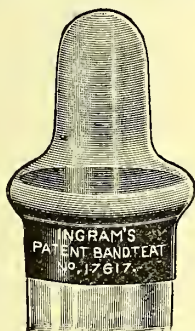
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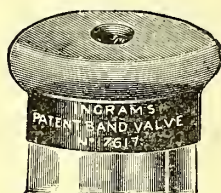
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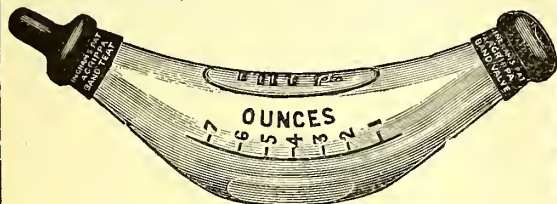
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